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* * * * * Welcome to STN International * * * * *

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SDIs in Caplus
NEWS 6 May 27 Caplus super roles and document types searchable in REGISTRY
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NEWS 8 Jun 28 Additional enzyme-catalyzed reactions added to CASREACT
NEWS 9 Jun 28 ANTE, AQUALINE, BIOENG, CIVILENG, ENVIROENG, MECHENG,
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FILE 'HOME' ENTERED AT 10:08:37 ON 23 JUL 2004

=> file medline, agricola, caba, caplus, biosis, biotechno		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'MEDLINE' ENTERED AT 10:08:43 ON 23 JUL 2004

FILE 'AGRICOLA' ENTERED AT 10:08:43 ON 23 JUL 2004

FILE 'CABA' ENTERED AT 10:08:43 ON 23 JUL 2004
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FILE 'CAPLUS' ENTERED AT 10:08:43 ON 23 JUL 2004

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FILE 'BIOSIS' ENTERED AT 10:08:43 ON 23 JUL 2004
COPYRIGHT (C) 2004 BIOLOGICAL ABSTRACTS INC.(R)

FILE 'BIOTECHNO' ENTERED AT 10:08:43 ON 23 JUL 2004
COPYRIGHT (C) 2004 Elsevier Science B.V., Amsterdam. All rights reserved.

=> s (kjaerulff, s? or kjaerulff s?)/au
L1 56 (KJAERULFF, S? OR KJAERULFF S?)/AU

=> s (roggen, e? or roggen e?)/au
L2 81 (ROGGEN, E? OR ROGGEN E?)/AU

=> s l1 and l2
L3 1 L1 AND L2

=> d l3 ti

L3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN
TI Epitope mapping of allergenic protein and their production of low
allergenic protein in transgenic plants

=> d l3 bib

L3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2002:314983 CAPLUS
DN 136:339482
TI Epitope mapping of allergenic protein and their production of low
allergenic protein in transgenic plants
IN **Kjaerulff, Soren; Roggen, Erwin Ludo**
PA Novozymes A/S, Den.
SO PCT Int. Appl., 83 pp.
CODEN: PIXXD2

DT Patent
LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002032947	A1	20020425	WO 2001-DK686	20011017
	W:				
	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW:				
	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	US 2003041354	A1	20030227	US 2001-981009	20011016
	AU 2002010394	A5	20020429	AU 2002-10394	20011017
	EP 1328544	A1	20030723	EP 2001-978221	20011017
	R:				
	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
PRAI	DK 2000-1546	A	20001017		
	US 2000-241870P	P	20001020		
	WO 2001-DK686	W	20011017		

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> s l1 or l2

L4 136 L1 OR L2

=> s l4 not l3

L5 135 L4 NOT L3

=> s l5 and (epitope or allergen)

L6 13 L5 AND (EPITOPE OR ALLERGEN)

=> duplicate remove l6

DUPLICATE PREFERENCE IS 'MEDLINE, CAPLUS, BIOSIS, BIOTECHNO'

KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n

PROCESSING COMPLETED FOR L6

L7 10 DUPLICATE REMOVE L6 (3 DUPLICATES REMOVED)

=> d l17 1-10 ti

L17 NOT FOUND

The L-number entered has not been defined in this session, or it has been deleted. To see the L-numbers currently defined in this session, enter DISPLAY HISTORY at an arrow prompt (=>).

=> d l7 1-10 ti

L7 ANSWER 1 OF 10 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
TI Low allergenic protein variants.

L7 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2004 ACS on STN
TI Kit for predicting binding of a specific antibody to a potential immunogen and method of screening

L7 ANSWER 3 OF 10 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
TI Polypeptides conjugated to copolymers of ethylene oxide and propylene oxide to reduce allergenicity.

L7 ANSWER 4 OF 10 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
TI An in vitro technology for fast identification of less allergenic protein variants.

L7 ANSWER 5 OF 10 CAPLUS COPYRIGHT 2004 ACS on STN
TI Protein engineering for reduced allergenicity

L7 ANSWER 6 OF 10 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
TI An in vitro high throughput technology for the production and identification of proteins with reduced allergenic potencies: A proof of concept.

L7 ANSWER 7 OF 10 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
TI The use of airlifted human lung epithelial tissues for allergy risk assessment of topical applied enzyme proteins.

L7 ANSWER 8 OF 10 CAPLUS COPYRIGHT 2004 ACS on STN
TI Engineering of enzymes for reduced allergenicity

L7 ANSWER 9 OF 10 MEDLINE on STN DUPLICATE 1
TI Monoclonal antibodies against Haemophilus lipopolysaccharides: clone DP8 specific for Haemophilus ducreyi and clone DH24 binding to lacto-N-neotetraose.

L7 ANSWER 10 OF 10 BIOTECHNO COPYRIGHT 2004 Elsevier Science B.V. on STN
TI Antigenic diversity in Haemophilus ducreyi as shown by Western blot (immunoblot) analysis

=> d l7 1-8 bib

L7 ANSWER 1 OF 10 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN

AN 2004:141149 BIOSIS
 DN PREV200400141815
 TI Low allergenic protein variants.
 AU Olsen, Arne Agerlin [Inventor, Reprint Author]; **Roggen, Erwin Lugo**
 [Inventor]; Ernst, Steffen [Inventor]
 CS Kaplevej, Denmark
 ASSIGNEE: Novozymes A/S, Bagsvaerd, Denmark
 PI US 6686164 February 03, 2004
 SO Official Gazette of the United States Patent and Trademark Office Patents,
 (Feb 3 2004) Vol. 1279, No. 1. <http://www.uspto.gov/web/menu/patdata.html>.
 e-file.
 ISSN: 0098-1133 (ISSN print).
 DT Patent
 LA English
 ED Entered STN: 10 Mar 2004
 Last Updated on STN: 10 Mar 2004

L7 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 2003:301332 CAPLUS
 DN 138:302628
 TI Kit for predicting binding of a specific antibody to a potential immunogen
 and method of screening
 IN **Roggen, Erwin Ludo**; Nilsson, Nina Teeres; Ernst, Steffen;
 Patkar, Shamkant Anant; Friis, Esben Peter
 PA Novozymes A/S, Den.
 SO PCT Int. Appl., 75 pp.
 CODEN: PIXXD2

DT Patent
 LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003031981	A2	20030417	WO 2002-DK665	20021004
	WO 2003031981	A3	20040304		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	US 2003119066	A1	20030626	US 2002-264559	20021004
	EP 1436627	A2	20040714	EP 2002-800546	20021004
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK			
PRAI	DK 2001-1473	A	20011005		
	US 2001-330289P	P	20011018		
	WO 2002-DK665	W	20021004		

L7 ANSWER 3 OF 10 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AN 2003:549971 BIOSIS
 DN PREV200300550209
 TI Polypeptides conjugated to copolymers of ethylene oxide and propylene oxide to reduce allergenicity.
 AU Deussen, Heinz-Josef [Inventor, Reprint Author]; Olsen, Arne Agerlin [Inventor]; Fatum, Tine Muxoll [Inventor]; **Roggen, Erwin Ludo** [Inventor]
 CS Soborg, Denmark
 ASSIGNEE: Novozymes A/S, Bagsvaerd, Denmark
 PI US 6638526 October 28, 2003
 SO Official Gazette of the United States Patent and Trademark Office Patents,

(Oct 28 2003) Vol. 1275, No. 4. <http://www.uspto.gov/web/menu/patdata.html>
. e-file.

ISSN: 0098-1133 (ISSN print).

DT Patent

LA English

ED Entered STN: 19 Nov 2003

Last Updated on STN: 19 Nov 2003

L7 ANSWER 4 OF 10 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN

AN 2003:221174 BIOSIS

DN PREV200300221174

TI An in vitro technology for fast identification of less allergenic protein variants.

AU **Roggen, E. L.** [Reprint Author]; Friis, E. P.; Soni, N. K.

[Reprint Author]; Ernst, S. [Reprint Author]

CS Protein Screening, Novozymes A/S, Bagsvaerd, Denmark

SO Toxicological Sciences, (March 2003) Vol. 72, No. S-1, pp. 219. print.

Meeting Info.: 42nd Annual Meeting of the Society of Toxicology. Salt Lake City, Utah, USA. March 09-13, 2003. Society of Toxicology.

ISSN: 1096-6080 (ISSN print).

DT Conference; (Meeting)

Conference; Abstract; (Meeting Abstract)

LA English

ED Entered STN: 7 May 2003

Last Updated on STN: 7 May 2003

L7 ANSWER 5 OF 10 CAPLUS COPYRIGHT 2004 ACS on STN

AN 2001:816739 CAPLUS

DN 135:356734

TI Protein engineering for reduced allergenicity

IN **Roggen, Erwin Ludo**; Ernst, Steffen; Svendsen, Allan; Friis,

Esben Peter; Von Der Osten, Claus

PA Novozymes A/S, Den.

SO PCT Int. Appl., 513 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	WO 2001083559	A2	20011108	WO 2001-DK293	20010430
	WO 2001083559	A3	20020620		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	EP 1280817	A2	20030205	EP 2001-927643	20010430
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
PRAI	DK 2000-707	A	20000428		
	US 2000-203345P	P	20000510		
	DK 2001-327	A	20010228		
	US 2001-277817P	P	20010321		
	WO 2001-DK293	W	20010430		

L7 ANSWER 6 OF 10 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN

AN 2001:504796 BIOSIS

DN PREV200100504796

TI An in vitro high throughput technology for the production and identification of proteins with reduced allergenic potencies: A proof of

concept.

AU **Roggen, E. L.** [Reprint author]; Ernst, S.
CS Protein Screening, Novozymes A/S, Bagsvaerd, Denmark
SO Allergy (Copenhagen), (2001) Vol. 56, No. Supplement 68, pp. 117. print.
Meeting Info.: XXth Congress of the European Academy of Allergology and
Clinical Immunology. Berlin, Germany. May 09-13, 2001.
CODEN: LLRGDY. ISSN: 0105-4538.
DT Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
LA English
ED Entered STN: 31 Oct 2001
Last Updated on STN: 23 Feb 2002

L7 ANSWER 7 OF 10 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
AN 2002:131738 BIOSIS
DN PREV200200131738
TI The use of airlifted human lung epithelial tissues for allergy risk
assessment of topical applied enzyme proteins.
AU De Wever, B. [Reprint author]; **Roggen, E.**
CS SkinEthic Laboratories, Nice, France
SO Toxicology Letters (Shannon), (September 1st, 2001) Vol. 123, No.
Supplement 1, pp. 19. print.
Meeting Info.: EUROTOX 2001. Istanbul, Turkey. September 13-16, 2001.
Association of European Toxicologists; European Societies of Toxicology.
CODEN: TOLED5. ISSN: 0378-4274.
DT Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
LA English
ED Entered STN: 6 Feb 2002
Last Updated on STN: 26 Feb 2002

L7 ANSWER 8 OF 10 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2000:314711 CAPLUS
DN 132:333397
TI Engineering of enzymes for reduced allergenicity
IN **Roggen, Erwin Ludo**; Olsen, Arne Agerlin; Ernst, Steffen
PA Novo Nordisk A/S, Den.
SO PCT Int. Appl., 91 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000026230	A1	20000511	WO 1999-DK541	19991012
	W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
AU	9960787	A1	20000522	AU 1999-60787	19991012
EP	1124843	A1	20010822	EP 1999-947260	19991012
EP	1124843	B1	20040407		
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO			
JP	2003500003	T2	20030107	JP 2000-579618	19991012
EP	1277762	A2	20030122	EP 2002-20745	19991012
EP	1277762	A3	20030409		
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY			
NZ	511291	A	20030829	NZ 1999-511291	19991012

AT 263778	E	20040415	AT 1999-947260	19991012
US 6686164	B1	20040203	US 1999-417608	19991013
PRAI DK 1998-1402	A	19981030		
DK 1998-1645	A	19981125		
DK 1999-1417	A	19991004		
US 1998-107165P	P	19981105		
US 1998-111386P	P	19981208		
US 1999-157429P	P	19991004		
EP 1999-947260	A3	19991012		
WO 1999-DK541	W	19991012		

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d his

(FILE 'HOME' ENTERED AT 10:08:37 ON 23 JUL 2004)

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO' ENTERED AT
 10:08:43 ON 23 JUL 2004

L1 56 S (KJAERULFF, S? OR KJAERULFF S?)/AU
 L2 81 S (ROGGEN, E? OR ROGGEN E?)/AU
 L3 1 S L1 AND L2
 L4 136 S L1 OR L2
 L5 135 S L4 NOT L3
 L6 13 S L5 AND (EPITOPE OR ALLERGEN)
 L7 10 DUPLICATE REMOVE L6 (3 DUPLICATES REMOVED)

=> s (plant(s)transform?) or (plant(s)transgenic) or (plant(s)recombinant) or
 (plant(s) (genetically(w)modified))

L8 52079 (PLANT(S) TRANSFORM?) OR (PLANT(S) TRANSGENIC) OR (PLANT(S)
 RECOMBINANT) OR (PLANT(S) (GENETICALLY(W) MODIFIED))

=> s l8 and allergen

L9 273 L8 AND ALLERGEN

=> s plant(s)transgenic(s)allergen

L10 24 PLANT(S) TRANSGENIC(S) ALLERGEN

=> s l10 not l4

L11 24 L10 NOT L4

=> duplicate remove l11

DUPLICATE PREFERENCE IS 'AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO'

KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n

PROCESSING COMPLETED FOR L11

L12 19 DUPLICATE REMOVE L11 (5 DUPLICATES REMOVED)

=> d l12 1-10 ti

L12 ANSWER 1 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN
 TI Expression and glycosylation of dust mite cysteine protease allergens in
 transgenic plants for use in diagnosis and treatment of human allergies

L12 ANSWER 2 OF 19 CABA COPYRIGHT 2004 CABI on STN
 TI [The allergic risk of transgenic foods: strategy for prevention
 Rapport bi-academique].
 Risque allergique des aliments transgeniques: strategies de prevention.

L12 ANSWER 3 OF 19 BIOTECHNO COPYRIGHT 2004 Elsevier Science B.V. on STN
 TI The allergic risk of transgenic foods strategy for prevention
 RISQUE ALLERGIQUE DES ALIMENTS TRANSGENIQUES: STRATEGIES DE PREVENTION

L12 ANSWER 4 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN
 TI Accumulation of Japanese cedar pollen allergen, Cry j 1, in the protein

body I of transgenic rice seeds using the promoter and signal sequence of glutelin GluB-1 gene

L12 ANSWER 5 OF 19 BIOTECHNO COPYRIGHT 2004 Elsevier Science B.V. on STN
TI Clinical risk assessment of GM foods

L12 ANSWER 6 OF 19 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
TI Downregulation of Arah2, a major peanut allergen in transgenic peanut plants.

L12 ANSWER 7 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN
TI Production of allergens with recombinant plant cells and transgenic plants

L12 ANSWER 8 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN
TI Transgenic expressing mature ragweed pollen allergen for development of anti allergic agent

L12 ANSWER 9 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN
TI Isolation and sequence of a full length genomic clone for allergen Ara h2 and down-regulation and silencing of allergen genes in transgenic peanut seeds

L12 ANSWER 10 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN
TI Transgenic rice expressing potato adenosine diphosphoglucose-starch glucosyltransferase to reduce allergen content in rice products

=> d l12 1,4,7 bib

L12 ANSWER 1 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2004:19773 CAPLUS
DN 140:110096
TI Expression and glycosylation of dust mite cysteine protease allergens in transgenic plants for use in diagnosis and treatment of human allergies
IN Gomord, Veronique; Lienard, David; Van Ree, Ronald; Van Ooert, Erika; Dorlhac de Borne, Francois; Didier, Laurent Alain; Faye, Loic
PA Stallergenes S.A., Fr.; Societe Nationale d'Exploitation Industrielle ses Tabacs et Allumettes (S.E.I.T.A)
SO Fr. Demande, 63 pp.
CODEN: FRXXBL
DT Patent
LA French
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 2841906	A1	20040109	FR 2002-8485	20020705
	WO 2004005334	A2	20040115	WO 2003-FR2085	20030704
	WO 2004005334	A3	20040506		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU				
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				

PRAI FR 2002-8485 A 20020705

RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 4 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2003:674739 CAPLUS

DN 139:394794
 TI Accumulation of Japanese cedar pollen allergen, Cry j 1, in the protein body I of transgenic rice seeds using the promoter and signal sequence of glutelin GluB-1 gene
 AU Okada, Anzu; Okada, Takashi; Ide, Takeshi; Itoh, Mituaki; Tanaka, Kunisuke; Takaiwa, Fumio; Toriyama, Kinya
 CS Graduate School of Agricultural Science, Laboratory of Plant Breeding and Genetics, Tohoku University, Tsutsumidori-Amamiyamachi, Aoba-ku, Sendai, 981-8555, Japan
 SO Molecular Breeding (2003), 12(1), 61-70
 CODEN: MOBRFL; ISSN: 1380-3743
 PB Kluwer Academic Publishers
 DT Journal
 LA English
 RE.CNT 33 THERE ARE 33 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 7 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 2001:886531 CAPLUS
 DN 136:36489
 TI Production of allergens with recombinant plant cells and transgenic plants
 IN Bonneau, Caroline; Van Ree, Ronald; Van Oort, Erica; Dorlhac De Borne, Francois; Faye, Loiec; Gomord, Veronique
 PA Seita Groupe Altadis, Fr.; Stallergenes
 SO PCT Int. Appl., 35 pp.
 CODEN: PIXXD2
 DT Patent
 LA French
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001092546	A1	200111206	WO 2001-FR1665	20010529
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG FR 2809413 A1 20011130 FR 2000-6855 20000529 PRAI FR 2000-6855 A 20000529				
RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT				

=> d 112 11-19 ti

L12 ANSWER 11 OF 19 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 TI Characterization of antibody responses induced in rodents by exposure to food proteins: Influence of route of exposure.

L12 ANSWER 12 OF 19 CABA COPYRIGHT 2004 CABI on STN DUPLICATE 1
 TI Reduction in allergenicity of grass pollen by genetic engineering.

L12 ANSWER 13 OF 19 BIOTECHNO COPYRIGHT 2004 Elsevier Science B.V. on STN
 TI Biotechnology and allergic risk

L12 ANSWER 14 OF 19 CABA COPYRIGHT 2004 CABI on STN DUPLICATE 2
 TI [Evaluation of the safety of foods derived from genetically modified organisms].
 Evaluation de l'innocuite des aliments issus d'organismes genetiquement modifies.

L12 ANSWER 15 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN
 TI Recombinant proteins in newly developed foods: identification of
 allergenic activity

L12 ANSWER 16 OF 19 AGRICOLA Compiled and distributed by the National
 Agricultural Library of the Department of Agriculture of the United States
 of America. It contains copyrighted materials. All rights reserved.
 (2004) on STN
 TI The potential for allergenicity in transgenic foods.

L12 ANSWER 17 OF 19 AGRICOLA Compiled and distributed by the National
 Agricultural Library of the Department of Agriculture of the United States
 of America. It contains copyrighted materials. All rights reserved.
 (2004) on STN DUPLICATE 3
 TI Determination of the safety of genetically engineered crops.

L12 ANSWER 18 OF 19 CABA COPYRIGHT 2004 CABI on STN DUPLICATE 4
 TI Aminoglycoside 3[prime]-phosphotransferase II (APH(3[prime])II): review of
 its safety and use in the production of genetically engineered plants.

L12 ANSWER 19 OF 19 CABA COPYRIGHT 2004 CABI on STN
 TI In situ seed production after pollination with in-vitro-matured, isolated
 pollen.

=> d his

(FILE 'HOME' ENTERED AT 10:08:37 ON 23 JUL 2004)

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO' ENTERED AT
 10:08:43 ON 23 JUL 2004

L1 56 S (KJAERULFF, S? OR KJAERULFF S?)/AU
 L2 81 S (ROGGEN, E? OR ROGGEN E?)/AU
 L3 1 S L1 AND L2
 L4 136 S L1 OR L2
 L5 135 S L4 NOT L3
 L6 13 S L5 AND (EPITOPE OR ALLERGEN)
 L7 10 DUPLICATE REMOVE L6 (3 DUPLICATES REMOVED)
 L8 52079 S (PLANT(S)TRANSFORM?) OR (PLANT(S)TRANSGENIC) OR (PLANT(S)RECO
 L9 273 S L8 AND ALLERGEN
 L10 24 S PLANT(S)TRANSGENIC(S)ALLERGEN
 L11 24 S L10 NOT L4
 L12 19 DUPLICATE REMOVE L11 (5 DUPLICATES REMOVED)

=> file uspatfull

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	66.64	66.85

FILE 'USPATFULL' ENTERED AT 10:17:12 ON 23 JUL 2004
 CA INDEXING COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)

FILE COVERS 1971 TO PATENT PUBLICATION DATE: 22 Jul 2004 (20040722/PD)
 FILE LAST UPDATED: 22 Jul 2004 (20040722/ED)
 HIGHEST GRANTED PATENT NUMBER: US6766528
 HIGHEST APPLICATION PUBLICATION NUMBER: US2004143878
 CA INDEXING IS CURRENT THROUGH 22 Jul 2004 (20040722/UPCA)
 ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 22 Jul 2004 (20040722/PD)
 REVISED CLASS FIELDS (/NCL) LAST RELOADED: Jun 2004
 USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Jun 2004

>>> USPAT2 is now available. USPATFULL contains full text of the <<<
 >>> original, i.e., the earliest published granted patents or <<<
 >>> applications. USPAT2 contains full text of the latest US <<<
 >>> publications, starting in 2001, for the inventions covered in <<<

>>> USPATFULL. A USPATFULL record contains not only the original <<<
>>> published document but also a list of any subsequent <<<
>>> publications. The publication number, patent kind code, and <<<
>>> publication date for all the US publications for an invention <<<
>>> are displayed in the PI (Patent Information) field of USPATFULL <<<
>>> records and may be searched in standard search fields, e.g., /PN, <<<
>>> /PK, etc. <<<

>>> USPATFULL and USPAT2 can be accessed and searched together <<<
>>> through the new cluster USPATALL. Type FILE USPATALL to <<<
>>> enter this cluster. <<<
>>> Use USPATALL when searching terms such as patent assignees, <<<
>>> classifications, or claims, that may potentially change from <<<
>>> the earliest to the latest publication. <<<

This file contains CAS Registry Numbers for easy and accurate
substance identification.

=> S (KJAERULFF, S? OR KJAERULFF S?)/AU
7 KJAERULFF, S?/AU
7 KJAERULFF S?/AU
L13 7 (KJAERULFF, S? OR KJAERULFF S?)/AU

=> S (ROGGEN, E? OR ROGGEN E?)/AU
13 ROGGEN, E?/AU
13 ROGGEN E?/AU
L14 13 (ROGGEN, E? OR ROGGEN E?)/AU

=> s l13 and l14
L15 1 L13 AND L14

=> d l15 bib

L15 ANSWER 1 OF 1 USPATFULL on STN
AN 2003:58784 USPATFULL
TI Transgenic plants
IN **Kjaerulff, Soren**, Vanlose, DENMARK
Roggen, Erwin Ludo, Lyngby, DENMARK
PA Novozymes A/S, Bagsvaerd, DENMARK, DK-2880 (non-U.S. corporation)
PI US 2003041354 A1 20030227
AI US 2001-981009 A1 20011016 (9)
PRAI DK 2000-1546 20001017
US 2000-241870P 20001020 (60)
DT Utility
FS APPLICATION
LREP NOVOZYMES NORTH AMERICA, INC., 500 FIFTH AVENUE, SUITE 1600, NEW YORK,
NY, 10110
CLMN Number of Claims: 34
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 2343
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> s l13 or l14
L16 19 L13 OR L14

=> s l16 not l15
L17 18 L16 NOT L15

=> S PLANT(S) TRANSGENIC(S) ALLERGEN
210493 PLANT
27841 TRANSGENIC
3534 ALLERGEN

L18 13 PLANT(S) TRANSGENIC(S) ALLERGEN

=> s l18 not l17

L19 13 L18 NOT L17

=> d l17 1-18 ti

L17 ANSWER 1 OF 18 USPATFULL on STN
TI Method for production of a protease-inhibitor complex

L17 ANSWER 2 OF 18 USPATFULL on STN
TI Alpha-amylase mutants

L17 ANSWER 3 OF 18 USPATFULL on STN
TI Low allergenic protein variants

L17 ANSWER 4 OF 18 USPATFULL on STN
TI Polypeptides conjugated to copolymers of ethylene oxide and propylene oxide to reduce allergenicity

L17 ANSWER 5 OF 18 USPATFULL on STN
TI Modified enzymes having polymer conjugates

L17 ANSWER 6 OF 18 USPATFULL on STN
TI Lipolytic enzyme variant

L17 ANSWER 7 OF 18 USPATFULL on STN
TI Diagnostic kit for detecting immunogenic response and method of screening

L17 ANSWER 8 OF 18 USPATFULL on STN
TI Modified polypeptides

L17 ANSWER 9 OF 18 USPATFULL on STN
TI Alpha-amylase variants

L17 ANSWER 10 OF 18 USPATFULL on STN
TI Automated mechanical stress assay for screening cleaning ingredients

L17 ANSWER 11 OF 18 USPATFULL on STN
TI Method for the assessment of allergenicity

L17 ANSWER 12 OF 18 USPATFULL on STN
TI Alpha-amylase mutants with altered properties

L17 ANSWER 13 OF 18 USPATFULL on STN
TI Modified polypeptide

L17 ANSWER 14 OF 18 USPATFULL on STN
TI Alpha-amylase variants

L17 ANSWER 15 OF 18 USPATFULL on STN
TI High throughput screening (HTS) assays

L17 ANSWER 16 OF 18 USPATFULL on STN
TI Polypeptides conjugated with polymers

L17 ANSWER 17 OF 18 USPATFULL on STN
TI Modified polypeptide

L17 ANSWER 18 OF 18 USPATFULL on STN
TI α -Amylase variants

=> d l17 3,8,9,11,12,13,14,17,18 bib

L17 ANSWER 3 OF 18 USPATFULL on STN
 AN 2004:27057 USPATFULL
 TI Low allergenic protein variants
 IN Olsen, Arne Agerlin, Kaplevej, DENMARK
Roggen, Erwin Lugo, Lyngby, DENMARK
 Ernst, Steffen, Kobenhavn N, DENMARK
 PA Novozymes A/S, Bagsvaerd, DENMARK (non-U.S. corporation)
 PI US 6686164 B1 20040203
 AI US 1999-417608 19991013 (9)
 PRAI DK 1998-1402 19981030
 DK 1998-1645 19981125
 DK 1999-1417 19991004
 US 1999-157429P 19991004 (60)
 US 1998-111386P 19981208 (60)
 US 1998-107165P 19981105 (60)
 DT Utility
 FS GRANTED
 EXNAM Primary Examiner: Celsa, Bennett
 LREP Lambins, Elias J.
 CLMN Number of Claims: 21
 ECL Exemplary Claim: 1
 DRWN 2 Drawing Figure(s); 2 Drawing Page(s)
 LN.CNT 2362
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L17 ANSWER 8 OF 18 USPATFULL on STN
 AN 2003:127570 USPATFULL
 TI Modified polypeptides
 IN Olsen, Arne Agerlin, Virum, DENMARK
 Osten, Claus von der, Lyngby, DENMARK
 Andersen, Kim Vilbour, Copenhagen, DENMARK
 Ernst, Steffen, Kobenhavn, DENMARK
Roggen, Erwin Ludo, Lyngby, DENMARK
 PA Novozymes A/S, Bagsvaerd, DENMARK, DK-2880 (non-U.S. corporation)
 PI US 2003087785 A1 20030508
 AI US 2002-209812 A1 20020801 (10)
 RLI Continuation of Ser. No. US 1999-417359, filed on 13 Oct 1999, GRANTED,
 Pat. No. US 6461849
 PRAI DK 1998-1301 19981013
 DK 1999-1418 19991004
 US 1999-157426P 19991004 (60)
 US 1998-105624P 19981026 (60)
 DT Utility
 FS APPLICATION
 LREP NOVOZYMES NORTH AMERICA, INC., 500 FIFTH AVENUE, SUITE 1600, NEW YORK,
 NY, 10110
 CLMN Number of Claims: 58
 ECL Exemplary Claim: 1
 DRWN 2 Drawing Page(s)
 LN.CNT 2287
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L17 ANSWER 9 OF 18 USPATFULL on STN
 AN 2003:64833 USPATFULL
 TI Alpha-amylase variants
 IN Andersen, Carsten, Vaerloose, DENMARK
 Jorgensen, Christel Thea, Kobenhavn O, DENMARK
 Bisgard-Frantzen, Henrik, Bagsvaerd, DENMARK
 Svendsen, Allan, Birkerod, DENMARK
Kjaerulff, Soren, Vanlose, DENMARK
 PA Novozymes A/S, Bagsvaerd, DENMARK, 2880 (non-U.S. corporation)
 PI US 2003044954 A1 20030306
 AI US 2002-146327 A1 20020515 (10)
 RLI Division of Ser. No. US 2000-537168, filed on 29 Mar 2000, GRANTED, Pat.

No. US 6410295
PRAI DK 1999-437 19990330
US 1999-127427P 19990401 (60)
DT Utility
FS APPLICATION
LREP NOVOZYMES NORTH AMERICA, INC., 500 FIFTH AVENUE, SUITE 1600, NEW YORK,
NY, 10110
CLMN Number of Claims: 25
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 2484
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L17 ANSWER 11 OF 18 USPATFULL on STN
AN 2003:44762 USPATFULL
TI Method for the assessment of allergenicity
IN **Roggen, Erwin Ludo**, Lyngby, DENMARK
Ernst, Steffen, Kobenhavn, DENMARK
PA Novozymes A/S, Bagsvaerd, DENMARK (non-U.S. corporation)
PI US 2003032072 A1 20030213
AI US 2002-254288 A1 20020925 (10)
RLI Continuation of Ser. No. US 2000-689554, filed on 12 Oct 2000, PENDING
PRAI DK 1999-1486 19991015
US 1999-160543P 19991020 (60)
DT Utility
FS APPLICATION
LREP NOVOZYMES NORTH AMERICA, INC., 500 FIFTH AVENUE, SUITE 1600, NEW YORK,
NY, 10110
CLMN Number of Claims: 67
ECL Exemplary Claim: 1
DRWN 5 Drawing Page(s)
LN.CNT 1317
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L17 ANSWER 12 OF 18 USPATFULL on STN
AN 2002:280138 USPATFULL
TI Alpha-amylase mutants with altered properties
IN Thisted, Thomas, Rungsted Kyst, DENMARK
Kjaerulff, Soren, Vanlose, DENMARK
Andersen, Carsten, Vaerloese, DENMARK
Fuglsang, Claus Crone, Niva, DENMARK
PA Novozymes A/S, Bagsvaerd, DENMARK, DK-2880 (non-U.S. corporation)
PI US 2002155574 A1 20021024
AI US 2001-918543 A1 20010731 (9)
PRAI DK 2000-1160 20000801
DK 2000-1354 20000912
DK 2000-1687 20001110
DK 2001-655 20010426
US 2000-225140P 20000814 (60)
US 2000-233986P 20000920 (60)
US 2000-249104P 20001116 (60)
US 2001-286869P 20010426 (60)
DT Utility
FS APPLICATION
LREP NOVOZYMES NORTH AMERICA, INC., 500 FIFTH AVENUE, SUITE 1600, NEW YORK,
NY, 10110
CLMN Number of Claims: 26
ECL Exemplary Claim: 1
DRWN 3 Drawing Page(s)
LN.CNT 2878
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L17 ANSWER 13 OF 18 USPATFULL on STN
AN 2002:262227 USPATFULL
TI Modified polypeptide

IN Olsen, Arne Agerlin, Virum, DENMARK
 Osten, Claus von der, Lyngby, DENMARK
 Andersen, Kim Vilbourn, Copenhagen, DENMARK
 Ernst, Steffen, Kobenhavn, DENMARK
Roggen, Erwin Ludo, Lyngby, DENMARK
 PA Novozymes, A/S, Bagsvaerd, DENMARK (non-U.S. corporation)
 PI US 6461849 B1 20021008
 AI US 1999-417359 19991013 (9)
 PRAI DK 1998-1301 19981013
 DK 1999-1418 19991004
 US 1998-105624P 19981026 (60)
 US 1999-157426P 19991004 (60)
 DT Utility
 FS GRANTED
 EXNAM Primary Examiner: Nashed, Nashaat T.
 LREP Lambiris, Elias J., Garbell, Jason I.
 CLMN Number of Claims: 9
 ECL Exemplary Claim: 1
 DRWN 2 Drawing Figure(s); 2 Drawing Page(s)
 LN.CNT 3880
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L17 ANSWER 14 OF 18 USPATFULL on STN
 AN 2002:152441 USPATFULL
 TI Alpha-amylase variants
 IN Andersen, Carsten, Vaerl.o slashed.se, DENMARK
 J.o slashed.rgensen, Christel Thea, K .o slashed.benhavn .O slashed.,
 DENMARK
 Bisg.ang.rd-Frantzen, Henrik, Bagsvaerd, DENMARK
 Svendsen, Allan, Birker.o slashed.d, DENMARK
Kjaerulff, S.o slashed.ren, Vanl.o slashed.se, DENMARK
 PA Novozymes A/S, Bagsvaerd, DENMARK (non-U.S. corporation)
 PI US 6410295 B1 20020625
 AI US 2000-537168 20000329 (9)
 PRAI DK 1999-437 19990330
 US 1999-127427P 19990401 (60)
 DT Utility
 FS GRANTED
 EXNAM Primary Examiner: Murthy, Ponnathapuachuta; Assistant Examiner: Rao,
 Manjunath N.
 LREP Lambiris, Elias, Garbell, Jason
 CLMN Number of Claims: 33
 ECL Exemplary Claim: 1
 DRWN 0 Drawing Figure(s); 0 Drawing Page(s)
 LN.CNT 1717
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L17 ANSWER 17 OF 18 USPATFULL on STN
 AN 2001:86602 USPATFULL
 TI Modified polypeptide
 IN von der Osten, Claus, Lyngby, Denmark
 Olsen, Arne Agerlin, Virum, Denmark
Roggen, Erwin Ludo, Lyngby, Denmark
 PA Novo Nordisk A/S, Bagsvaerd, Denmark (non-U.S. corporation)
 PI US 6245901 B1 20010612
 AI US 1998-24532 19980217 (9)
 RLI Continuation of Ser. No. WO 1998-DK46, filed on 6 Feb 1998
 PRAI DK 1997-135 19970206
 DT Utility
 FS GRANTED
 EXNAM Primary Examiner: Achutamurthy, Ponnathapu; Assistant Examiner: Moore,
 William W.
 LREP Lambiris, Elias J.
 CLMN Number of Claims: 23
 ECL Exemplary Claim: 1

DRWN 1 Drawing Figure(s); 1 Drawing Page(s)
LN.CNT 3644
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L17 ANSWER 18 OF 18 USPATFULL on STN
AN 2001:33062 USPATFULL
TI α -Amylase variants
IN Svendsen, Allan, Birkerod, Denmark
Kjaerulff, Soeren, Vanlose, Denmark
Bisgaard-Frantzen, Henrik, Bagsvaerd, Denmark
Andersen, Carsten, Vaerloese, Denmark
PA Novo-Nordisk A/S, Bagsvaerd, Denmark (non-U.S. corporation)
Novo Alle, Bagsvaerd, Denmark (non-U.S. corporation)
PI US 6197565 B1 20010306
AI US 1998-193068 19981116 (9)
DT Utility
FS Granted
EXNAM Primary Examiner: Prouty, Rebecca E.; Assistant Examiner: Hutson,
Richard
LREP Lambiris, Esq., Elias J.
CLMN Number of Claims: 21
ECL Exemplary Claim: 1
DRWN 2 Drawing Figure(s); 4 Drawing Page(s)
LN.CNT 1279
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d his

(FILE 'HOME' ENTERED AT 10:08:37 ON 23 JUL 2004)

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO' ENTERED AT
10:08:43 ON 23 JUL 2004

L1 56 S (KJAERULFF, S? OR KJAERULFF S?)/AU
L2 81 S (ROGGEN, E? OR ROGGEN E?)/AU
L3 1 S L1 AND L2
L4 136 S L1 OR L2
L5 135 S L4 NOT L3
L6 13 S L5 AND (EPITOPE OR ALLERGEN)
L7 10 DUPLICATE REMOVE L6 (3 DUPLICATES REMOVED)
L8 52079 S (PLANT(S)TRANSFORM?) OR (PLANT(S)TRANSGENIC) OR (PLANT(S)RECO
L9 273 S L8 AND ALLERGEN
L10 24 S PLANT(S)TRANSGENIC(S)ALLERGEN
L11 24 S L10 NOT L4
L12 19 DUPLICATE REMOVE L11 (5 DUPLICATES REMOVED)

FILE 'USPATFULL' ENTERED AT 10:17:12 ON 23 JUL 2004

L13 7 S (KJAERULFF, S? OR KJAERULFF S?)/AU
L14 13 S (ROGGEN, E? OR ROGGEN E?)/AU
L15 1 S L13 AND L14
L16 19 S L13 OR L14
L17 18 S L16 NOT L15
L18 13 S PLANT(S)TRANSGENIC(S)ALLERGEN
L19 13 S L18 NOT L17

=> d l19 1-3 ti

L19 ANSWER 1 OF 13 USPATFULL on STN
TI Plant cell wall loosening activity of group 2/3 allergens of grass
pollen

L19 ANSWER 2 OF 13 USPATFULL on STN
TI Nucleic acids and proteins with thioredoxin reductase activity

L19 ANSWER 3 OF 13 USPATFULL on STN

TI Methods and reagents for decreasing clinical reaction to allergy

=>

=>

=>

=>

<-----User Break----->

=> d l19 1-13 ti

L19 ANSWER 1 OF 13 USPATFULL on STN

TI Plant cell wall loosening activity of group 2/3 allergens of grass pollen

L19 ANSWER 2 OF 13 USPATFULL on STN

TI Nucleic acids and proteins with thioredoxin reductase activity

L19 ANSWER 3 OF 13 USPATFULL on STN

TI Methods and reagents for decreasing clinical reaction to allergy

L19 ANSWER 4 OF 13 USPATFULL on STN

TI Modification of pollen coat protein composition

L19 ANSWER 5 OF 13 USPATFULL on STN

TI Cloning and sequencing of the allergen Dac g5 of Dactylis glomerata pollen, its preparation and its use

L19 ANSWER 6 OF 13 USPATFULL on STN

TI Nucleic acids and proteins with thioredoxin reductase activity

L19 ANSWER 7 OF 13 USPATFULL on STN

TI Pollen-specific novel calmodulin-binding protein, NPG1 (No Pollen Germination1), promoter, coding sequences and methods for using the same

L19 ANSWER 8 OF 13 USPATFULL on STN

TI Methods and reagents for decreasing clinical reaction to allergy

L19 ANSWER 9 OF 13 USPATFULL on STN

TI Transgenic plants

L19 ANSWER 10 OF 13 USPATFULL on STN

TI Hypoallergenic transgenic soybeans

L19 ANSWER 11 OF 13 USPATFULL on STN

TI Method for assessing food allergenicity

L19 ANSWER 12 OF 13 USPATFULL on STN

TI Method for screening an expression cDNA clone bank for the detection of polynucleotides

L19 ANSWER 13 OF 13 USPATFULL on STN

TI Method for screening an expression cDNA clone bank for the detection of polynucleotides

=> d l19 4,9,10,12,13 bib

L19 ANSWER 4 OF 13 USPATFULL on STN

AN 2003:259638 USPATFULL

TI Modification of pollen coat protein composition

IN Robert, Laurian S., Gatineau, CANADA

 Gleddie, Stephen, Ottawa, CANADA

 Foster, Elizabeth, Nepean, CANADA

PI US 2003182691 A1 20030925
AI US 2002-322656 A1 20021219 (10)
RLI Continuation-in-part of Ser. No. US 1999-272204, filed on 19 Mar 1999,
ABANDONED
PRAI US 1998-78728P 19980320 (60)
DT Utility
FS APPLICATION
LREP OLIFF & BERRIDGE, PLC, P.O. BOX 19928, ALEXANDRIA, VA, 22320
CLMN Number of Claims: 31
ECL Exemplary Claim: 1
DRWN 45 Drawing Page(s)
LN.CNT 5454
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L19 ANSWER 9 OF 13 USPATFULL on STN
AN 2003:58784 USPATFULL
TI Transgenic plants
IN Kjaerulff, Soren, Vanlose, DENMARK
Roggen, Erwin Ludo, Lyngby, DENMARK
PA Novozymes A/S, Bagsvaerd, DENMARK, DK-2880 (non-U.S. corporation)
PI US 2003041354 A1 20030227
AI US 2001-981009 A1 20011016 (9)
PRAI DK 2000-1546 20001017
US 2000-241870P 20001020 (60)
DT Utility
FS APPLICATION
LREP NOVOZYMES NORTH AMERICA, INC., 500 FIFTH AVENUE, SUITE 1600, NEW YORK,
NY, 10110
CLMN Number of Claims: 34
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 2343
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L19 ANSWER 10 OF 13 USPATFULL on STN
AN 2003:58780 USPATFULL
TI Hypoallergenic transgenic soybeans
IN Kinney, Anthony J., Wilmington, DE, UNITED STATES
Jung, Rudolf, Des Moines, IA, UNITED STATES
PI US 2003041350 A1 20030227
AI US 2001-805694 A1 20010314 (9)
PRAI US 2000-189823P 20000316 (60)
DT Utility
FS APPLICATION
LREP E I DU PONT DE NEMOURS AND COMPANY, LEGAL PATENT RECORDS CENTER, BARLEY
MILL PLAZA 25/1128, 4417 LANCASTER PIKE, WILMINGTON, DE, 19805
CLMN Number of Claims: 90
ECL Exemplary Claim: 1
DRWN 5 Drawing Page(s)
LN.CNT 2303
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L19 ANSWER 12 OF 13 USPATFULL on STN
AN 1998:143952 USPATFULL
TI Method for screening an expression cDNA clone bank for the detection of
polynucleotides
IN Breitenbach, Michael, Vienna, Austria
Kraft, Dietrich, Vienna, Austria
Rumpold, Helmut, Vienna, Austria
Scheiner, Otto, Mariaenzersdorf, Austria
Breiteneder, Heimo, Vienna, Austria
Pettenburger, Karin, Vienna, Austria
Valenta, Rudolf, Theresienfeld, Austria
PA Biomay Produktions-Und Handelsgesellschaft m.b.H., Linz, Austria
(non-U.S. corporation)

PI US 5837550 19981117
 AI US 1994-255127 19940607 (8)
 RLI Continuation of Ser. No. US 1993-59197, filed on 5 May 1993, now
 abandoned which is a continuation of Ser. No. US 1989-353844, filed on
 18 May 1989, now abandoned
 PRAI AT 1988-2554 19881014
 DT Utility
 FS Granted
 EXNAM Primary Examiner: Woodward, Michael P.
 LREP Pennie & Edmonds LLP
 CLMN Number of Claims: 2
 ECL Exemplary Claim: 1
 DRWN 13 Drawing Figure(s); 12 Drawing Page(s)
 LN.CNT 1160
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L19 ANSWER 13 OF 13 USPATFULL on STN
 AN 1998:88945 USPATFULL
 TI Method for screening an expression cDNA clone bank for the detection of
 polynucleotides
 IN Breitenbach, Michael, Vienna, Austria
 Kraft, Dietrich, Vienna, Austria
 Rumpold, Helmut, Vienna, Austria
 Scheiner, Otto, Mariaenzersdorf, Austria
 Breiteneder, Heimo, Vienna, Austria
 Pettenburger, Karin, Vienna, Austria
 Valenta, Rudolf, Theresienfeld, Austria
 PA Biomay Produktions-Und Handelsgesellschaft m.b.h., Linz, Austria
 (non-U.S. corporation)
 PI US 5786466 19980728
 AI US 1995-470877 19950606 (8)
 RLI Division of Ser. No. US 1994-255127, filed on 7 Jun 1994 which is a
 continuation of Ser. No. US 1993-59197, filed on 5 May 1993, now
 abandoned which is a continuation of Ser. No. US 1989-353844, filed on
 18 May 1989, now abandoned
 PRAI AT 1988-2554 19881014
 DT Utility
 FS Granted
 EXNAM Primary Examiner: Woodward, Michael P.
 LREP Pennie & Edmonds LLP
 CLMN Number of Claims: 17
 ECL Exemplary Claim: 1
 DRWN 13 Drawing Figure(s); 12 Drawing Page(s)
 LN.CNT 1210
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d his

(FILE 'HOME' ENTERED AT 10:08:37 ON 23 JUL 2004)

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO' ENTERED AT
 10:08:43 ON 23 JUL 2004

L1 56 S (KJAERULFF, S? OR KJAERULFF S?)/AU
 L2 81 S (ROGGEN, E? OR ROGGEN E?)/AU
 L3 1 S L1 AND L2
 L4 136 S L1 OR L2
 L5 135 S L4 NOT L3
 L6 13 S L5 AND (EPITOPE OR ALLERGEN)
 L7 10 DUPLICATE REMOVE L6 (3 DUPLICATES REMOVED)
 L8 52079 S (PLANT(S)TRANSFORM?) OR (PLANT(S)TRANSGENIC) OR (PLANT(S)RECO
 L9 273 S L8 AND ALLERGEN
 L10 24 S PLANT(S)TRANSGENIC(S)ALLERGEN
 L11 24 S L10 NOT L4
 L12 19 DUPLICATE REMOVE L11 (5 DUPLICATES REMOVED)

FILE 'USPATFULL' ENTERED AT 10:17:12 ON 23 JUL 2004

L13 7 S (KJAERULFF, S? OR KJAERULFF S?)/AU
L14 13 S (ROGGEN, E? OR ROGGEN E?)/AU
L15 1 S L13 AND L14
L16 19 S L13 OR L14
L17 18 S L16 NOT L15
L18 13 S PLANT(S) TRANSGENIC(S) ALLERGEN
L19 13 S L18 NOT L17

=> s allergen(s) recombinant(s) immunogenicity

3534 ALLERGEN
78304 RECOMBINANT
17529 IMMUNOGENICITY

L20 7 ALLERGEN(S) RECOMBINANT(S) IMMUNOGENICITY

=> d l20 1-7 ti

L20 ANSWER 1 OF 7 USPATFULL on STN

TI Systemic immune activation method using nucleic acid-lipid complexes

L20 ANSWER 2 OF 7 USPATFULL on STN

TI **Recombinant** hybrid **allergen** constructs with reduced allergenicity that retain **immunogenicity** of the natural **allergen**

L20 ANSWER 3 OF 7 USPATFULL on STN

TI Elisa screening method for inhibitors of human IgE binding to the high affinity receptor, FcεRIα

L20 ANSWER 4 OF 7 USPATFULL on STN

TI Insect cells or fractions as adjuvant for antigens

L20 ANSWER 5 OF 7 USPATFULL on STN

TI Interleukin-2 stimulated T lymphocyte cell death for the treatment of autoimmune diseases, allergic responses, and graft rejection

L20 ANSWER 6 OF 7 USPATFULL on STN

TI Interleukin-2 stimulated T lymphocyte cell death for the treatment of allergic responses

L20 ANSWER 7 OF 7 USPATFULL on STN

TI Interleukin-4 stimulated T lymphocyte cell death for the treatment of allergic disorders

=> d l20 2 bib

L20 ANSWER 2 OF 7 USPATFULL on STN

AN 2003:57096 USPATFULL

TI **Recombinant** hybrid **allergen** constructs with reduced allergenicity that retain **immunogenicity** of the natural **allergen**

IN King, Te Piao, New York, NY, UNITED STATES

PA Spangfort, Michael Dho, Viken, SWEDEN

PA The Rockefeller University (U.S. corporation)

PI US 2003039660 A1 20030227

AI US 2002-91135 A1 20020304 (10)

PRAI US 2001-272818P 20010302 (60)

DT Utility

FS APPLICATION

LREP DARBY & DARBY P.C., 805 Third Avenue, New York, NY, 10022

CLMN Number of Claims: 35

ECL Exemplary Claim: 1

DRWN 13 Drawing Page(s)

LN.CNT 7866

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> s recombinant(s)allergen(s)variant

78304 RECOMBINANT

3534 ALLERGEN

120282 VARIANT

L21 27 RECOMBINANT(S)ALLERGEN(S)VARIANT

=> s l21 not l20

L22 27 L21 NOT L20

=> d l22 1-10 ti

L22 ANSWER 1 OF 27 USPATFULL on STN

TI Branched immunomodulatory compounds and methods of using the same

L22 ANSWER 2 OF 27 USPATFULL on STN

TI Chimeric immunomodulatory compounds and methods of using the same-IV

L22 ANSWER 3 OF 27 USPATFULL on STN

TI Plant cell wall loosening activity of group 2/3 allergens of grass pollen

L22 ANSWER 4 OF 27 USPATFULL on STN

TI Recombinant DNA encoding the major allergen of plantago lanceolata pollen, Pla I 1, and applications thereof

L22 ANSWER 5 OF 27 USPATFULL on STN

TI Allergen mutants

L22 ANSWER 6 OF 27 USPATFULL on STN

TI Chimeric immunomodulatory compounds and methods of using the same - III

L22 ANSWER 7 OF 27 USPATFULL on STN

TI Chimeric immunomodulatory compounds and methods of using the same - II

L22 ANSWER 8 OF 27 USPATFULL on STN

TI Novel mutant allergens

L22 ANSWER 9 OF 27 USPATFULL on STN

TI Non-anaphylactic forms of grass pollen Phl p 6 allergen and their use

L22 ANSWER 10 OF 27 USPATFULL on STN

TI Immunomodulatory compositions, formulations, and methods for use thereof

=> d l22 4,5,2,6,7,8,9,10 bib

L22 ANSWER 4 OF 27 USPATFULL on STN

AN 2004:94265 USPATFULL

TI Recombinant DNA encoding the major allergen of plantago lanceolata pollen, Pla I 1, and applications thereof

IN Freile, Belen Calobozo, Madrid, SPAIN

Perales, Araceli Diaz, Madrid, SPAIN

Hernandez, Domingo Barber, Madrid, SPAIN

Duran, Gabriel Salcedo, Madrid, SPAIN

Corrales, Florentino Polo, Madrid, SPAIN

PA ALK-ABELLO A/S (non-U.S. corporation)

PI US 2004071717 A1 20040415

AI US 2002-161551 A1 20020903 (10)

PRAI DK 2001-857 20010530

US 2001-294672P 20010530 (60)

DT Utility

FS APPLICATION
LREP DARBY & DARBY P.C., P. O. BOX 5257, NEW YORK, NY, 10150-5257
CLMN Number of Claims: 20
ECL Exemplary Claim: 1
DRWN 3 Drawing Page(s)
LN.CNT 1292
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L22 ANSWER 5 OF 27 USPATFULL on STN
AN 2004:57436 USPATFULL
TI Allergen mutants
IN Holm, Jens, Copenhagen N, DENMARK
Ferrerias, Mercedes, Copenhagen O, DENMARK
PA ALK-Abello A/S, Horsholm, DENMARK (non-U.S. corporation)
PI US 2004043438 A1 20040304
AI US 2003-440516 A1 20030516 (10)
PRAI US 2002-381440P 20020516 (60)
DT Utility
FS APPLICATION
LREP DARBY & DARBY P.C., P. O. BOX 5257, NEW YORK, NY, 10150-5257
CLMN Number of Claims: 74
ECL Exemplary Claim: 1
DRWN 37 Drawing Page(s)
LN.CNT 4420
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L22 ANSWER 2 OF 27 USPATFULL on STN
AN 2004:172513 USPATFULL
TI Chimeric immunomodulatory compounds and methods of using the same-IV
IN Fearon, Karen L., Lafayette, CA, UNITED STATES
Dina, Dino, Oakland, CA, UNITED STATES
Tuck, Stephen F., Oakland, CA, UNITED STATES
PI US 2004132677 A1 20040708
AI US 2003-623371 A1 20030718 (10)
RLI Continuation-in-part of Ser. No. US 2002-328578, filed on 23 Dec 2002,
PENDING Continuation-in-part of Ser. No. US 2002-176883, filed on 21 Jun
2002, PENDING Continuation-in-part of Ser. No. US 2002-177826, filed on
21 Jun 2002, PENDING
PRAI US 2001-299883P 20010621 (60)
US 2002-375253P 20020423 (60)
US 2002-375253P 20020423 (60)
US 2001-299883P 20010621 (60)
DT Utility
FS APPLICATION
LREP MORRISON & FOERSTER LLP, 755 PAGE MILL RD, PALO ALTO, CA, 94304-1018
CLMN Number of Claims: 15
ECL Exemplary Claim: 1
DRWN 21 Drawing Page(s)
LN.CNT 8072

L22 ANSWER 6 OF 27 USPATFULL on STN
AN 2003:319267 USPATFULL
TI Chimeric immunomodulatory compounds and methods of using the same - III
IN Fearon, Karen L., Lafayette, CA, UNITED STATES
Dina, Dino, Oakland, CA, UNITED STATES
Tuck, Stephen F., Oakland, CA, UNITED STATES
PI US 2003225016 A1 20031204
AI US 2002-328578 A1 20021223 (10)
RLI Continuation-in-part of Ser. No. US 2002-176883, filed on 21 Jun 2002,
PENDING Continuation-in-part of Ser. No. US 2002-177826, filed on 21 Jun
2002, PENDING
PRAI US 2001-299883P 20010621 (60)
US 2002-375253P 20020423 (60)
US 2001-299883P 20010621 (60)
US 2002-375253P 20020423 (60)

DT Utility
FS APPLICATION
LREP Randolph T. Apple, Morrison & Foerster LLP, 755 Page Mill Road, Palo
Alto, CA, 94304-1018
CLMN Number of Claims: 33
ECL Exemplary Claim: 1
DRWN 19 Drawing Page(s)
LN.CNT 7262
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L22 ANSWER 7 OF 27 USPATFULL on STN
AN 2003:283122 USPATFULL
TI Chimeric immunomodulatory compounds and methods of using the same - 11
IN Fearon, Karen L., Lafayette, CA, UNITED STATES
Dina, Dino, Oakland, CA, UNITED STATES
Tuck, Stephen F., Oakland, CA, UNITED STATES
PI US 2003199466 A1 20031023
AI US 2002-177826 A1 20020621 (10)
PRAI US 2001-299883P 20010621 (60)
US 2002-375253P 20020423 (60)
DT Utility
FS APPLICATION
LREP Randolph T. Apple, Morrison & Foerster LLP, 755 Page Mill Road, Palo
Alto, CA, 94304-1018
CLMN Number of Claims: 33
ECL Exemplary Claim: 1
DRWN 11 Drawing Page(s)
LN.CNT 7228
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L22 ANSWER 8 OF 27 USPATFULL on STN
AN 2003:250526 USPATFULL
TI Novel mutant allergens
IN Holm, Jens, Fredensborg, DENMARK
Ipsen, Hans Henrik, Hillerod, DENMARK
Larsen, Jorgen Nedergaard, Graested, DENMARK
Spangfort, Michael Dho, Helsingborg, SWEDEN
PA ALK-Abello A/S (non-U.S. corporation)
PI US 2003175312 A1 20030918
AI US 2001-1245 A1 20011115 (10)
PRAI US 2000-249361P 20001116 (60)
US 2001-298170P 20010614 (60)
DT Utility
FS APPLICATION
LREP DARBY & DARBY P.C., 805 Third Avenue, New York, NY, 10022
CLMN Number of Claims: 65
ECL Exemplary Claim: 1
DRWN 54 Drawing Page(s)
LN.CNT 4299
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L22 ANSWER 9 OF 27 USPATFULL on STN
AN 2003:206882 USPATFULL
TI Non-anaphylactic forms of grass pollen Phl p 6 allergen and their use
IN Valenta, Rudolf, Theresienfeld, AUSTRIA
Vrtala, Susanne, Vienna, AUSTRIA
Stumvoll, Sabine, St. Peter, AUSTRIA
Gronlund, Hans, Lidingo, SWEDEN
Grote, Monika, Munster, GERMANY, FEDERAL REPUBLIC OF
Vangelista, Luca, Padova, ITALY
Pastore, Annalisa, London, UNITED KINGDOM
Sperr, Wolfgang R., Vienna, AUSTRIA
Valent, Peter, Vienna, AUSTRIA
Kraft, Dietrich, Vienna, AUSTRIA
PA Pharmacia Diagnostics AB (non-U.S. corporation)

PI US 2003143239 A1 20030731
AI US 2002-305238 A1 20021127 (10)
RLI Division of Ser. No. US 2000-696169, filed on 26 Oct 2000, PENDING
PRAI SE 1999-3950 19991029
US 1999-164148P 19991108 (60)
DT Utility
FS APPLICATION
LREP BIRCH STEWART KOLASCH & BIRCH, PO BOX 747, FALLS CHURCH, VA, 22040-0747
CLMN Number of Claims: 9
ECL Exemplary Claim: 1
DRWN 11 Drawing Page(s)
LN.CNT 894
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L22 ANSWER 10 OF 27 USPATFULL on STN
AN 2003:194178 USPATFULL
TI Immunomodulatory compositions, formulations, and methods for use thereof
IN Fearon, Karen L., Lafayette, CA, UNITED STATES
Dina, Dino, Oakland, CA, UNITED STATES
PI US 2003133988 A1 20030717
AI US 2002-214799 A1 20020807 (10)
PRAI US 2001-310743P 20010807 (60)
US 2001-335263P 20011025 (60)
DT Utility
FS APPLICATION
LREP Nicholas S. Buffinger, Morrison & Foerster LLP, 755 Page Mill Road, Palo
Alto, CA, 94304-1018
CLMN Number of Claims: 63
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 3014
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d 122 11-20 ti

L22 ANSWER 11 OF 27 USPATFULL on STN
TI Biodegradable immunomodulatory formulations and methods for use thereof

L22 ANSWER 12 OF 27 USPATFULL on STN
TI Non-anaphylactic forms of grass pollen Phl p 6 allergen and their use

L22 ANSWER 13 OF 27 USPATFULL on STN
TI Fusion molecules and treatment of IgE-mediated allergic diseases

L22 ANSWER 14 OF 27 USPATFULL on STN
TI Non-anaphylactic forms of grass pollen Phl p 6 allergen and their use

L22 ANSWER 15 OF 27 USPATFULL on STN
TI Methods of treating IgE-associated disorders and compositions for use
therein

L22 ANSWER 16 OF 27 USPATFULL on STN
TI Fusion molecules and methods for treatment of immune diseases

L22 ANSWER 17 OF 27 USPATFULL on STN
TI Immunomodulatory formulations and methods for use thereof

L22 ANSWER 18 OF 27 USPATFULL on STN
TI Immunomodulatory polynucleotides and methods of using the same

L22 ANSWER 19 OF 27 USPATFULL on STN
TI Biodegradable immunomodulatory formulations and methods for use thereof

L22 ANSWER 20 OF 27 USPATFULL on STN

TI Method for treatment of inflammatory disease

=> d 122 11-20 bib

L22 ANSWER 11 OF 27 USPATFULL on STN
AN 2003:187464 USPATFULL
TI Biodegradable immunomodulatory formulations and methods for use thereof
IN Van Nest, Gary, Martinez, CA, UNITED STATES
Tuck, Stephen, Oakland, CA, UNITED STATES
PI US 2003129251 A1 20030710
AI US 2001-802359 A1 20010309 (9)
PRAI US 2000-188303P 20000310 (60)
DT Utility
FS APPLICATION
LREP MORRISON & FOERSTER LLP, 755 PAGE MILL RD, PALO ALTO, CA, 94304-1018
CLMN Number of Claims: 71
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 2569
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L22 ANSWER 12 OF 27 USPATFULL on STN
AN 2003:148757 USPATFULL
TI Non-anaphylactic forms of grass pollen Phl p 6 allergen and their use
IN Valenta, Rudolf, Beethovenstrasse 18, AT-2604 Theresienfeld, AUSTRIA
Vrtala, Susanne, Vienna, AUSTRIA
Stummfolll, Sabine, St. Peter, AUSTRIA
Gronlund, Hans, Lidingo, SWEDEN
Grote, Monika, Munster, GERMANY, FEDERAL REPUBLIC OF
Vangelista, Luca, Padova, ITALY
Pastore, Annalisa, London, UNITED KINGDOM
Sperr, Wolfgang R., Vienna, AUSTRIA
Valent, Peter, Vienna, AUSTRIA
Kraft, Dietrich, Vienna, AUSTRIA
PA Pharmacia Diagnostics AB, Uppsala, SWEDEN (non-U.S. corporation)
Valenta, Rudolf, Theresienfeld, AUSTRIA (non-U.S. individual)
PI US 6572859 B1 20030603
AI US 2000-696169 20001026 (9)
PRAI SE 1999-3950 19991029
US 1999-164148P 19991108 (60)
DT Utility
FS GRANTED
EXNAM Primary Examiner: Chan, Christina; Assistant Examiner: Huynh, Phuong N.
LREP Birch, Stewart, Kolasch & Birch, LLP
CLMN Number of Claims: 2
ECL Exemplary Claim: 1,2
DRWN 11 Drawing Figure(s); 11 Drawing Page(s)
LN.CNT 995
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L22 ANSWER 13 OF 27 USPATFULL on STN
AN 2003:119705 USPATFULL
TI Fusion molecules and treatment of IgE-mediated allergic diseases
IN Saxon, Andrew, Santa Monica, CA, UNITED STATES
Zhang, Ke, Los Angeles, CA, UNITED STATES
Zhu, Daocheng, Los Angeles, CA, UNITED STATES
PI US 2003082190 A1 20030501
AI US 2001-847208 A1 20010501 (9)
DT Utility
FS APPLICATION
LREP KNOBBE MARTENS OLSON & BEAR LLP, 2040 MAIN STREET, FOURTEENTH FLOOR,
IRVINE, CA, 91614
CLMN Number of Claims: 72
ECL Exemplary Claim: 1

DRWN 11 Drawing Page(s)
LN.CNT 7500
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L22 ANSWER 14 OF 27 USPATFULL on STN
AN 2003:112560 USPATFULL
TI Non-anaphylactic forms of grass pollen Phl p 6 allergen and their use
IN Valenta, Rudolf, Theresienfeld, AUSTRIA
Vrtala, Susanne, Vienna, AUSTRIA
Stumvoll, Sabine, St. Peter, AUSTRIA
Gronlund, Hans, Lidingo, SWEDEN
Grote, Monika, Munster, GERMANY, FEDERAL REPUBLIC OF
Vangelista, Luca, Padova, ITALY
Pastore, Annalisa, London, UNITED KINGDOM
Sperr, Wolfgang R., Vienna, AUSTRIA
Valent, Peter, Vienna, AUSTRIA
Kraft, Dietrich, Vienna, AUSTRIA
PA Pharmacia Diagnostics AB (non-U.S. corporation)
PI US 2003077290 A1 20030424
AI US 2002-142049 A1 20020510 (10)
RLI Division of Ser. No. US 2000-696169, filed on 26 Oct 2000, PENDING
PRAI SE 1999-3950 19991029
US 1999-164148P 19991108 (60)
DT Utility
FS APPLICATION
LREP BIRCH STEWART KOLASCH & BIRCH, PO BOX 747, FALLS CHURCH, VA, 22040-0747
CLMN Number of Claims: 18
ECL Exemplary Claim: 1
DRWN 11 Drawing Page(s)
LN.CNT 1075
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L22 ANSWER 15 OF 27 USPATFULL on STN
AN 2003:92707 USPATFULL
TI Methods of treating IgE-associated disorders and compositions for use therein
IN Dina, Dino, Oakland, CA, UNITED STATES
PI US 2003064064 A1 20030403
AI US 2002-214288 A1 20020806 (10)
RLI Continuation of Ser. No. US 1999-397198, filed on 16 Sep 1999, ABANDONED
PRAI US 1998-100838P 19980918 (60)
US 1999-136600P 19990528 (60)
DT Utility
FS APPLICATION
LREP Karen R. Zachow, Morrison & Foerster LLP, 755 Page Mill Road, Palo Alto, CA, 94304-1018
CLMN Number of Claims: 27
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1321
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L22 ANSWER 16 OF 27 USPATFULL on STN
AN 2003:92706 USPATFULL
TI Fusion molecules and methods for treatment of immune diseases
IN Saxon, Andrew, Santa Monica, CA, UNITED STATES
PI US 2003064063 A1 20030403
AI US 2001-439 A1 20011024 (10)
RLI Continuation-in-part of Ser. No. US 2001-847208, filed on 1 May 2001, PENDING
DT Utility
FS APPLICATION
LREP KNOBBE MARTENS OLSON & BEAR LLP, 2040 MAIN STREET, FOURTEENTH FLOOR, IRVINE, CA, 91614
CLMN Number of Claims: 59

ECL Exemplary Claim: 1
DRWN 11 Drawing Page(s)
LN.CNT 4242
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L22 ANSWER 17 OF 27 USPATFULL on STN
AN 2003:86168 USPATFULL
TI Immunomodulatory formulations and methods for use thereof
IN Van Nest, Gary, Martinez, CA, UNITED STATES
Tuck, Stephen, Oakland, CA, UNITED STATES
Fearon, Karen L., Lafayette, CA, UNITED STATES
Dina, Dino, Oakland, CA, UNITED STATES
PI US 2003059773 A1 20030327
AI US 2001-927884 A1 20010810 (9)
RLI Continuation-in-part of Ser. No. US 2001-802376, filed on 9 Mar 2001,
PENDING
PRAI US 2000-188557P 20000310 (60)
DT Utility
FS APPLICATION
LREP Karen R. Zachow, Morrison & Foerster LLP, 755 Page Mill Road, Palo Alto,
CA, 94304-1018
CLMN Number of Claims: 79
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 2969
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L22 ANSWER 18 OF 27 USPATFULL on STN
AN 2003:70981 USPATFULL
TI Immunomodulatory polynucleotides and methods of using the same
IN Fearon, Karen L., Lafayette, CA, UNITED STATES
Dina, Dino, Oakland, CA, UNITED STATES
PI US 2003049266 A1 20030313
AI US 2001-33243 A1 20011227 (10)
PRAI US 2000-258675P 20001227 (60)
DT Utility
FS APPLICATION
LREP Karen R. Zachow, Morrison & Foerster LLP, 755 Page Mill Road, Palo Alto,
CA, 94304-1018
CLMN Number of Claims: 48
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 3623
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L22 ANSWER 19 OF 27 USPATFULL on STN
AN 2003:30903 USPATFULL
TI Biodegradable immunomodulatory formulations and methods for use thereof
IN Nest, Gary Van, Martinez, CA, UNITED STATES
Tuck, Stephen, Oakland, CA, UNITED STATES
Fearon, Karen L., Lafayette, CA, UNITED STATES
Dina, Dino, Oakland, CA, UNITED STATES
PI US 2003022852 A1 20030130
AI US 2001-927422 A1 20010810 (9)
RLI Continuation-in-part of Ser. No. US 2001-802359, filed on 9 Mar 2001,
PENDING
PRAI US 2000-188303P 20000310 (60)
DT Utility
FS APPLICATION
LREP MORRISON & FOERSTER LLP, 755 PAGE MILL RD, PALO ALTO, CA, 94304-1018
CLMN Number of Claims: 84
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 3417
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L22 ANSWER 20 OF 27 USPATFULL on STN
AN 2002:258428 USPATFULL
TI Method for treatment of inflammatory disease
IN Irvin, Charles G., Colchester, VT, UNITED STATES
PI US 2002141995 A1 20021003
AI US 2001-945250 A1 20010831 (9)
PRAI US 1997-63605P 19970610 (60)
DT Utility
FS APPLICATION
LREP SHERIDAN ROSS PC, 1560 BROADWAY, SUITE 1200, DENVER, CO, 80202
CLMN Number of Claims: 49
ECL Exemplary Claim: 1
DRWN 11 Drawing Page(s)
LN.CNT 2169
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d 122 21-27 ti

L22 ANSWER 21 OF 27 USPATFULL on STN
TI Variants of phleum pratense allergenic proteins

L22 ANSWER 22 OF 27 USPATFULL on STN
TI Immunomodulatory formulations and methods for use thereof

L22 ANSWER 23 OF 27 USPATFULL on STN
TI Variants of allergenic proteins of the group 2 of dermatophagoides

L22 ANSWER 24 OF 27 USPATFULL on STN
TI Method for treatment of inflammatory disease

L22 ANSWER 25 OF 27 USPATFULL on STN
TI Methods for diagnosis of allergy

L22 ANSWER 26 OF 27 USPATFULL on STN
TI DNA encoding the recombinant 40 kDa Dermatophagoides farinae allergen

L22 ANSWER 27 OF 27 USPATFULL on STN
TI Recombinant 40 KDa Dermatophagoides farinae allergen

=> d 122 21-27 bib

L22 ANSWER 21 OF 27 USPATFULL on STN
AN 2002:126020 USPATFULL
TI Variants of phleum pratense allergenic proteins
IN Sturaro, Monica, Roma, ITALY
Viotti, Angelo, Roma, ITALY
Falagiani, Paolo, Milano, ITALY
Mistrello, Giovanni, Via Cadore, ITALY
Roncarolo, Daniela, Via De Finetti, ITALY
Zanotta, Stefania, Roma, ITALY
PI US 2002064530 A1 20020530
AI US 2001-949888 A1 20010912 (9)
PRAI IT 2000-MI1987 20000912
DT Utility
FS APPLICATION
LREP YOUNG & THOMPSON, 745 SOUTH 23RD STREET 2ND FLOOR, ARLINGTON, VA, 22202
CLMN Number of Claims: 12
ECL Exemplary Claim: 1
DRWN 2 Drawing Page(s)
LN.CNT 324
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L22 ANSWER 22 OF 27 USPATFULL on STN
AN 2002:106268 USPATFULL
TI Immunomodulatory formulations and methods for use thereof
IN Nest, Gary Van, Martinez, CA, UNITED STATES
Tuck, Stephen, Oakland, CA, UNITED STATES
PI US 2002055477 A1 20020509
AI US 2001-802376 A1 20010309 (9)
PRAI US 2000-188557P 20000310 (60)
DT Utility
FS APPLICATION
LREP Karen R. Zachow, Morrison & Foerster LLP, 755 Page Mill Road, Palo Alto,
CA, 94304-1018
CLMN Number of Claims: 66
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 2435
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L22 ANSWER 23 OF 27 USPATFULL on STN
AN 2002:105679 USPATFULL
TI Variants of allergenic proteins of the group 2 of dermatophagoides
IN Sturaro, Monica, Roma, ITALY
Viotti, Angelo, Roma, ITALY
Falagiani, Paolo, Milano, ITALY
Mistrello, Giovanni, Milano, ITALY
Roncarolo, Daniela, Milano, ITALY
Zanotta, Stefania, Roma, ITALY
PI US 2002054881 A1 20020509
AI US 2001-949889 A1 20010912 (9)
PRAI IT 2000-MI1986 20000912
DT Utility
FS APPLICATION
LREP YOUNG & THOMPSON, 745 SOUTH 23RD STREET 2ND FLOOR, ARLINGTON, VA, 22202
CLMN Number of Claims: 12
ECL Exemplary Claim: 1
DRWN 2 Drawing Page(s)
LN.CNT 339
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L22 ANSWER 24 OF 27 USPATFULL on STN
AN 2001:93489 USPATFULL
TI Method for treatment of inflammatory disease
IN Irvin, Charles G., Englewood, CO, United States
PA National Jewish Medical and Research Center, Denver, CO, United States
(U.S. corporation)
PI US 6248723 B1 20010619
AI US 1998-95877 19980610 (9)
PRAI US 1997-63605P 19970610 (60)
DT Utility
FS GRANTED
EXNAM Primary Examiner: Yucel, Remy; Assistant Examiner: Shibuya, Mark L.
LREP Sheridan Ross P.C.
CLMN Number of Claims: 38
ECL Exemplary Claim: 1
DRWN 11 Drawing Figure(s); 11 Drawing Page(s)
LN.CNT 2166
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L22 ANSWER 25 OF 27 USPATFULL on STN
AN 1998:11885 USPATFULL
TI Methods for diagnosis of allergy
IN Wai Fei, David Tai, Belmont, CA, United States
Lowe, John, Daly City, CA, United States
Jardieu, Paula, San Francisco, CA, United States
PA Genentech, Inc., South San Francisco, CA, United States (U.S.)

corporation)
 PI US 5714338 19980203
 WO 9516203 19950615
 AI US 1995-393014 19950227 (8)
 WO 1994-US14282 19941209
 19950227 PCT 371 date
 19950227 PCT 102(e) date
 RLI Continuation-in-part of Ser. No. US 1993-165436, filed on 10 Dec 1993,
 now abandoned
 DT Utility
 FS Granted
 EXNAM Primary Examiner: Chan, Christina Y.; Assistant Examiner: VanderVegt, F.
 Pierre
 LREP Love, Richard B.
 CLMN Number of Claims: 15
 ECL Exemplary Claim: 1
 DRWN 20 Drawing Figure(s); 11 Drawing Page(s)
 LN.CNT 2478
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L22 ANSWER 26 OF 27 USPATFULL on STN
 AN 95:31782 USPATFULL
 TI DNA encoding the recombinant 40 kDa Dermatophagoides farinae allergen
 IN Oka, Satoru, Hiroshima, Japan
 Ono, Kazuhisa, Hiroshima, Japan
 Shigeta, Seiko, Hiroshima, Japan
 Wada, Takeshi, Hiroshima, Japan
 PA Fumakilla Limited, Tokyo, Japan (non-U.S. corporation)
 Hiroshima University, Hiroshima, Japan (non-U.S. corporation)
 PI US 5405758 19950411
 AI US 1993-166818 19931215 (8)
 RLI Division of Ser. No. US 1991-748783, filed on 22 Aug 1991, now patented,
 Pat. No. US 5314991
 PRAI JP 1990-225886 19900827
 JP 1990-327382 19901127
 JP 1991-104949 19910309
 DT Utility
 FS Granted
 EXNAM Primary Examiner: Nucker, Christine M.; Assistant Examiner: Tuscan,
 Michael S.
 LREP Birch, Stewart, Kolasch & Birch
 CLMN Number of Claims: 10
 ECL Exemplary Claim: 1
 DRWN 11 Drawing Figure(s); 11 Drawing Page(s)
 LN.CNT 1567
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L22 ANSWER 27 OF 27 USPATFULL on STN
 AN 94:44732 USPATFULL
 TI Recombinant 40 KDa Dermatophagoides farinae allergen
 IN Oka, Satoru, Hiroshima, Japan
 Ono, Kazuhisa, Hiroshima, Japan
 Shigeta, Seiko, Hiroshima, Japan
 Wada, Takeshi, Hiroshima, Japan
 PA Fumakilla Limited, Tokyo, Japan (non-U.S. corporation)
 Hiroshima University, Hiroshima, Japan (non-U.S. corporation)
 PI US 5314991 19940524
 AI US 1991-748783 19910822 (7)
 PRAI JP 1990-225886 19900827
 JP 1990-327382 19901127
 JP 1991-104949 19910309
 DT Utility
 FS Granted
 EXNAM Primary Examiner: Nucker, Christine M.; Assistant Examiner: Tuscan, M.
 LREP Birch, Stewart, Kolasch & Birch

CLMN Number of Claims: 16
ECL Exemplary Claim: 2
DRWN 11 Drawing Figure(s); 11 Drawing Page(s)
LN.CNT 986
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d his

(FILE 'HOME' ENTERED AT 10:08:37 ON 23 JUL 2004)

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO' ENTERED AT
10:08:43 ON 23 JUL 2004

L1 56 S (KJAERULFF, S? OR KJAERULFF S?)/AU
L2 81 S (ROGGEN, E? OR ROGGEN E?)/AU
L3 1 S L1 AND L2
L4 136 S L1 OR L2
L5 135 S L4 NOT L3
L6 13 S L5 AND (EPITOPE OR ALLERGEN)
L7 10 DUPLICATE REMOVE L6 (3 DUPLICATES REMOVED)
L8 52079 S (PLANT(S)TRANSFORM?) OR (PLANT(S)TRANSGENIC) OR (PLANT(S)RECO
L9 273 S L8 AND ALLERGEN
L10 24 S PLANT(S)TRANSGENIC(S)ALLERGEN
L11 24 S L10 NOT L4
L12 19 DUPLICATE REMOVE L11 (5 DUPLICATES REMOVED)

FILE 'USPATFULL' ENTERED AT 10:17:12 ON 23 JUL 2004

L13 7 S (KJAERULFF, S? OR KJAERULFF S?)/AU
L14 13 S (ROGGEN, E? OR ROGGEN E?)/AU
L15 1 S L13 AND L14
L16 19 S L13 OR L14
L17 18 S L16 NOT L15
L18 13 S PLANT(S)TRANSGENIC(S)ALLERGEN
L19 13 S L18 NOT L17
L20 7 S ALLERGEN(S)RECOMBINANT(S)IMMUNOGENICITY
L21 27 S RECOMBINANT(S)ALLERGEN(S)VARIANT
L22 27 S L21 NOT L20

=> file medline, agricola, caba, caplus, biosis, biotechno		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	66.07	132.92

FILE 'MEDLINE' ENTERED AT 10:29:42 ON 23 JUL 2004

FILE 'AGRICOLA' ENTERED AT 10:29:42 ON 23 JUL 2004

FILE 'CABA' ENTERED AT 10:29:42 ON 23 JUL 2004
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FILE 'CAPLUS' ENTERED AT 10:29:42 ON 23 JUL 2004
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FILE 'BIOSIS' ENTERED AT 10:29:42 ON 23 JUL 2004
COPYRIGHT (C) 2004 BIOLOGICAL ABSTRACTS INC.(R)

FILE 'BIOTECHNO' ENTERED AT 10:29:42 ON 23 JUL 2004
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=> S ALLERGEN(S)RECOMBINANT(S)IMMUNOGENICITY
L23 31 ALLERGEN(S) RECOMBINANT(S) IMMUNOGENICITY

=> S RECOMBINANT(S)ALLERGEN(S)VARIANT

L24 32 RECOMBINANT(S) ALLERGEN(S) VARIANT

=> s l23 or l24

L25 63 L23 OR L24

=> duplicate remove l25

DUPLICATE PREFERENCE IS 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO'
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n
PROCESSING COMPLETED FOR L25

L26 36 DUPLICATE REMOVE L25 (27 DUPLICATES REMOVED)

=> d l26 1-10 ti

L26 ANSWER 1 OF 36 MEDLINE on STN DUPLICATE 1
TI The blocking activity of birch pollen-specific immunotherapy-induced IgG4 is not qualitatively superior to that of other IgG subclasses.

L26 ANSWER 2 OF 36 MEDLINE on STN DUPLICATE 2
TI The **recombinant** major **allergen** of *Parietaria judaica* and its hypoallergenic **variant**: in vivo evaluation in a murine model of allergic sensitization.

L26 ANSWER 3 OF 36 CABA COPYRIGHT 2004 CABI on STN
TI Expression of the B subunit of the heat-labile enterotoxin of *Escherichia coli* in tobacco mosaic virus-infected *Nicotiana benthamiana* plants and its characterization as mucosal immunogen and adjuvant.

L26 ANSWER 4 OF 36 CAPLUS COPYRIGHT 2004 ACS on STN
TI Novel allergen from timothy grass

L26 ANSWER 5 OF 36 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
TI Immunological comparison of native and recombinant egg allergen, ovalbumin, expressed in *Escherichia coli*.

L26 ANSWER 6 OF 36 BIOTECHNO COPYRIGHT 2004 Elsevier Science B.V. on STN
TI Optimization of codon usage is required for effective genetic immunization against Art v 1, the major allergen of mugwort pollen

L26 ANSWER 7 OF 36 CABA COPYRIGHT 2004 CABI on STN DUPLICATE 3
TI Cloning and expression of biologically active *Plantago lanceolata* pollen allergen Pla 1 in the yeast *Pichia pastoris*.

L26 ANSWER 8 OF 36 BIOTECHNO COPYRIGHT 2004 Elsevier Science B.V. on STN
TI Allergic potency of recombinant Fel d 1 is reduced by low concentrations of chlorine bleach

L26 ANSWER 9 OF 36 CABA COPYRIGHT 2004 CABI on STN DUPLICATE 4
TI Absence of immunoglobulin E synthesis and airway eosinophilia by vaccination with plasmid DNA encoding ProDer p 1.

L26 ANSWER 10 OF 36 CAPLUS COPYRIGHT 2004 ACS on STN
TI **Recombinant** hybrid vespid venom **allergen** constructs with reduced allergenicity that retain **immunogenicity** of the natural **allergen**

=> d l26 2,3,5,7,10 bib

L26 ANSWER 2 OF 36 MEDLINE on STN DUPLICATE 2
AN 2004116555 MEDLINE
DN PubMed ID: 15005743
TI The **recombinant** major **allergen** of *Parietaria judaica* and its hypoallergenic **variant**: in vivo evaluation in a murine model of allergic sensitization.
AU Orlandi A; Grasso F; Corinti S; Marinaro M; Bonura A; Boirivant M; Colombo

P; Di Felice G
 CS Laboratory of Immunology, Istituto Superiore di Sanita, Rome, Italy.
 SO Clinical and experimental allergy : journal of the British Society for
 Allergy and Clinical Immunology, (2004 Mar) 34 (3) 470-7.
 Journal code: 8906443. ISSN: 0954-7894.
 CY England: United Kingdom
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 200405
 ED Entered STN: 20040310
 Last Updated on STN: 20040528
 Entered Medline: 20040527

L26 ANSWER 3 OF 36 CABA COPYRIGHT 2004 CABI on STN
 AN 2004:104825 CABA
 DN 20043079891
 TI Expression of the B subunit of the heat-labile enterotoxin of Escherichia
 coli in tobacco mosaic virus-infected Nicotiana benthamiana plants and its
 characterization as mucosal immunogen and adjuvant
 AU Wagner, B.; Hufnagl, K.; Radauer, C.; Wagner, S.; Baier, K.; Scheiner, O.;
 Wiedermann, U.; Breiteneder, H.
 CS Department of Pathophysiology, Medical University of Vienna, General
 Hospital Vienna EBO 3.Q, Waehringer Guertel 18-20, A-1090, Vienna,
 Austria. heimo.breiteneder@meduniwien.ac.at
 SO Journal of Immunological Methods, (2004) Vol. 287, No. 1/2, pp. 203-215.
 49 ref.
 Publisher: Elsevier Science B.V. Amsterdam
 ISSN: 0022-1759
 DOI: 10.1016/j.jim.2004.02.001
 CY Netherlands Antilles
 DT Journal
 LA English
 ED Entered STN: 20040702
 Last Updated on STN: 20040702

L26 ANSWER 5 OF 36 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AN 2004:76842 BIOSIS
 DN PREV200400078157
 TI Immunological comparison of native and recombinant egg allergen,
 ovalbumin, expressed in Escherichia coli.
 AU Rupa, Prithy; Mine, Yoshinori [Reprint Author]
 CS Department of Food Science, University of Guelph, Guelph, ON, N1G 2W1,
 Canada
 ymine@uoguelph.ca
 SO Biotechnology Letters, (November 2003) Vol. 25, No. 22, pp. 1917-1924.
 print.
 CODEN: BILED3. ISSN: 0141-5492.
 DT Article
 LA English
 ED Entered STN: 4 Feb 2004
 Last Updated on STN: 4 Feb 2004

L26 ANSWER 7 OF 36 CABA COPYRIGHT 2004 CABI on STN DUPLICATE 3
 AN 2004:64492 CABA
 DN 20043039713
 TI Cloning and expression of biologically active Plantago lanceolata pollen
 allergen Pla 1 in the yeast Pichia pastoris
 AU Calabozo, B.; Diaz-Perales, A.; Salcedo, G.; Barber, D.; Polo, F.
 CS Departamento I + D, ALK-Abello, S.A., c/Miguel Fleta 19, 28037 Madrid,
 Spain. florentino.polo@es.alk-abello.com
 SO Biochemical Journal, (2003) Vol. 372, No. 3, pp. 889-896. 15 ref.
 Publisher: Portland Press. Colchester
 ISSN: 0264-6021
 CY United Kingdom

DT Journal
LA English
ED Entered STN: 20040402
Last Updated on STN: 20040402

L26 ANSWER 10 OF 36 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2002:696098 CAPLUS
DN 137:231352
TI **Recombinant** hybrid vespid venom **allergen** constructs
with reduced allergenicity that retain **immunogenicity** of the
natural **allergen**
IN King, Te Piao; Spangfort, Michael Dho
PA The Rockefeller University, USA; Alk Abello A/S
SO PCT Int. Appl., 222 pp.
CODEN: PIXXD2

DT Patent
LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----		-----	-----	-----
PI	WO 2002070665	A2	20020912	WO 2002-US6765	20020304
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	US 2003039660	A1	20030227	US 2002-91135	20020304
PRAI	US 2001-272818P	P	20010302		

=> d 126 11-20 ti

L26 ANSWER 11 OF 36 CABA COPYRIGHT 2004 CABI on STN
TI Genetic variation of Der p 2 allergens: effects on T cell responses and immunoglobulin E binding.

L26 ANSWER 12 OF 36 BIOTECHNO COPYRIGHT 2004 Elsevier Science B.V. on STN
TI Comparison of four variants of a major allergen in hazelnut (Corylus avellana) Cor a 1.04 with the major hazel pollen allergen Cor a 1.01

L26 ANSWER 13 OF 36 BIOTECHNO COPYRIGHT 2004 Elsevier Science B.V. on STN
TI Natural and recombinant allergens from celery (Apium graveolens) and hazelnut (Corylus avellana) characterised with sera from patients with confirmed food allergy

L26 ANSWER 14 OF 36 MEDLINE on STN DUPLICATE 5
TI Modification of peanut allergen Ara h 3: effects on IgE binding and T cell stimulation.

L26 ANSWER 15 OF 36 MEDLINE on STN DUPLICATE 6
TI **Recombinant** allergens with reduced allergenicity but retaining **immunogenicity** of the natural allergens: hybrids of yellow jacket and paper wasp venom **allergen** antigen 5s.

L26 ANSWER 16 OF 36 MEDLINE on STN DUPLICATE 7
TI T cell responses to **recombinant** isoforms, synthetic peptides and a mutant **variant** of Lep d 2, a major **allergen** from the dust mite Lepidoglyphus destructor.

L26 ANSWER 17 OF 36 CABA COPYRIGHT 2004 CABI on STN

TI Comparison of four variants of a major allergen in hazelnut (*Corylus avellana*) Cor a 1.04 with the major hazel pollen allergen Cor a 1.01.

L26 ANSWER 18 OF 36 BIOTECHNO COPYRIGHT 2004 Elsevier Science B.V. on STN
 TI Analysis of recombinant mycobacteria as T helper type 1 vaccines in an allergy challenge model

L26 ANSWER 19 OF 36 CABA COPYRIGHT 2004 CABI on STN DUPLICATE 8
 TI Rapid production of recombinant allergens in *Nicotiana benthamiana* and their impact on diagnosis and therapy.

L26 ANSWER 20 OF 36 CABA COPYRIGHT 2004 CABI on STN DUPLICATE 9
 TI C8/119S mutation of major mite allergen Derf-2 leads to degenerate secondary structure and molecular polymerization and induces potent and exclusive Th1 cell differentiation.

=> d l26 11,12,13,14,15,16,17,19,20 bib

L26 ANSWER 11 OF 36 CABA COPYRIGHT 2004 CABI on STN
 AN 2002:205425 CABA
 DN 20023155416
 TI Genetic variation of Der p 2 allergens: effects on T cell responses and immunoglobulin E binding
 AU Hales, B. J.; Hazell, L. A.; Smith, W.; Thomas, W. R.
 CS Centre for Child Health Research, University of Western Australia, TVW Telethon Institute for Child Health Research, West Perth 6872, Western Australia, Australia. wayne@ichr.uwa.edu.au
 SO Clinical and Experimental Allergy, (2002) Vol. 32, No. 10, pp. 1461-1467. 34 ref.
 Publisher: Blackwell Science. Oxford
 ISSN: 0954-7894
 DOI: 10.1046/j.1365-2745.2002.01500.x
 CY United Kingdom
 DT Journal
 LA English
 ED Entered STN: 20021206
 Last Updated on STN: 20021206

L26 ANSWER 12 OF 36 BIOTECHNO COPYRIGHT 2004 Elsevier Science B.V. on STN
 AN 2002:34031840 BIOTECHNO
 TI Comparison of four variants of a major allergen in hazelnut (*Corylus avellana*) Cor a 1.04 with the major hazel pollen allergen Cor a 1.01
 AU Luttkopf D.; Muller U.; Skov P.S.; Ballmer-Weber B.K.; Wuthrich B.; Skamstrup Hansen K.; Poulsen L.K.; Kastner M.; Hausteiner D.; Vieths S.
 CS S. Vieths, Department of Allergology, Paul-Ehrlich-Institut, Paul-Ehrlich-Strasse 51-59, D-63225 Langen, Germany.
 E-mail: viest@pei.de
 SO Molecular Immunology, (2002), 38/7 (515-525), 43 reference(s)
 CODEN: IMCHAZ ISSN: 0161-5890
 PUI S0161589001000876
 DT Journal; Article
 CY United Kingdom
 LA English
 SL English

L26 ANSWER 13 OF 36 BIOTECHNO COPYRIGHT 2004 Elsevier Science B.V. on STN
 AN 2002:36033279 BIOTECHNO
 TI Natural and recombinant allergens from celery (*Apium graveolens*) and hazelnut (*Corylus avellana*) characterised with sera from patients with confirmed food allergy
 AU Luttkopf D.
 CS Dr. D. Luttkopf, Paul-Ehrlich-Institut Allergologie, Paul-Ehrlich-Strasse 51-59, 63225 Langen, Germany.
 E-mail: luedi@pei.de

SO Allergo Journal, (2002), 11/8 (513-517), 8 reference(s)
 CODEN: ALJOEY ISSN: 0941-8849
 DT Journal; Article
 CY Germany, Federal Republic of
 LA English
 SL English; German

L26 ANSWER 14 OF 36 MEDLINE on STN DUPLICATE 5
 AN 2002296618 MEDLINE
 DN PubMed ID: 12037397
 TI Modification of peanut allergen Ara h 3: effects on IgE binding and T cell stimulation.
 AU Rabjohn Pat; West C Michael; Connaughton Cathie; Sampson Hugh A; Helm Ricki M; Burks A Wesley; Bannon Gary A
 CS Department of Biochemistry and Molecular Biology, Arkansas Children's Hospital Research Institute, University of Arkansas for Medical Sciences, Little Rock, AR 72202, USA.
 NC R01-AI33596 (NIAID)
 SO International archives of allergy and immunology, (2002 May) 128 (1) 15-23.
 Journal code: 9211652. ISSN: 1018-2438.
 CY Switzerland
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 200207
 ED Entered STN: 20020531
 Last Updated on STN: 20020707
 Entered Medline: 20020705

L26 ANSWER 15 OF 36 MEDLINE on STN DUPLICATE 6
 AN 2001448606 MEDLINE
 DN PubMed ID: 11342623
 TI **Recombinant** allergens with reduced allergenicity but retaining **immunogenicity** of the natural allergens: hybrids of yellow jacket and paper wasp venom **allergen** antigen 5s.
 AU King T P; Jim S Y; Monsalve R I; Kagey-Sobotka A; Lichtenstein L M; Spangfort M D
 CS Rockefeller University, New York, NY 10021, USA..
 kingtp@mail.rockefeller.edu
 NC AI-08270 (NIAID)
 AI-17021 (NIAID)
 SO Journal of immunology (Baltimore, Md. : 1950), (2001 May 15) 166 (10) 6057-65.
 Journal code: 2985117R. ISSN: 0022-1767.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Abridged Index Medicus Journals; Priority Journals
 EM 200108
 ED Entered STN: 20010813
 Last Updated on STN: 20010813
 Entered Medline: 20010809

L26 ANSWER 16 OF 36 MEDLINE on STN DUPLICATE 7
 AN 2001691329 MEDLINE
 DN PubMed ID: 11737040
 TI T cell responses to **recombinant** isoforms, synthetic peptides and a mutant **variant** of Lep d 2, a major **allergen** from the dust mite *Lepidoglyphus destructor*.
 AU Eriksson T L; Gafvelin G; Elfman L H; Johansson C; Van Hage-Hamsten M; Olsson S
 CS Department of Medicine, Unit of Clinical Immunology & Allergy, Karolinska Hospital and Institutet, Stockholm, Sweden.. tove.eriksson@ks.se
 SO Clinical and experimental allergy : journal of the British Society for

Allergy and Clinical Immunology, (2001 Dec) 31 (12) 1881-90.
Journal code: 8906443. ISSN: 0954-7894.

CY England: United Kingdom
DT (EVALUATION STUDIES)
Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200203
ED Entered STN: 20011213
Last Updated on STN: 20020307
Entered Medline: 20020306

L26 ANSWER 17 OF 36 CABA COPYRIGHT 2004 CABI on STN

AN 2002:49659 CABA

DN 20023004394

TI Comparison of four variants of a major allergen in hazelnut (*Corylus avellana*) Cor a 1.04 with the major hazel pollen allergen Cor a 1.01
AU Luttkopf, D.; Muller, U.; Skov, P. S.; Ballmer-Weber, B. K.; Wuthrich, B.; Hansen, K. S.; Poulsen, L. K.; Kastner, M.; Haustein, D.; Vieths, S.
CS Department of Allergology, Paul-Ehrlich-Institut, Paul-Ehrlich-Strasse 51-59, D-63225 Langen, Germany. viest@pei.de
SO Molecular Immunology, (2001) Vol. 38, No. 7, pp. 515-525. 43 ref.
Publisher: Pergamon Press. Oxford
ISSN: 0161-5890

CY United Kingdom

DT Journal

LA English

ED Entered STN: 20020308

Last Updated on STN: 20020308

L26 ANSWER 19 OF 36 CABA COPYRIGHT 2004 CABI on STN DUPLICATE 8

AN 2001:67653 CABA

DN 20013053575

TI Rapid production of recombinant allergens in *Nicotiana benthamiana* and their impact on diagnosis and therapy
AU Breiteneder, H.; Krebitz, M.; Wiedermann, U.; Wagner, B.; Essl, D.; Steinkellner, H.; Turpen, T. H.; Ebner, C.; Buck, D.; Niggemann, B.; Scheiner, O.; Ishikawa, T. [EDITOR]; Miyamoto, T. [EDITOR]; Okudaira, H. [EDITOR]; Tomioka, H. [EDITOR]; Valenta, R. [EDITOR]; Kraft, D. [EDITOR]
CS Department of Pathophysiology, University of Vienna, AKH-EBO-3Q, Wahringer Gurtel 18-20, A-1090 Vienna, Austria.
SO International Archives of Allergy and Immunology, (2001) Vol. 124, No. 1/3, pp. 48-50. 5 ref.
Publisher: S Karger AG. Basel
Price: Journal article; Conference paper .
Meeting Info.: Allergy in the 21st century: new answers to old questions. 23rd symposium of the Collegium Internationale Allergologicum. May 18-23, 2000, Hakone, Japan.
ISSN: 1018-2438

CY Switzerland

DT Journal

LA English

ED Entered STN: 20010706

Last Updated on STN: 20010706

L26 ANSWER 20 OF 36 CABA COPYRIGHT 2004 CABI on STN DUPLICATE 9

AN 2001:7222 CABA

DN 20003000786

TI C8/119S mutation of major mite allergen Derf-2 leads to degenerate secondary structure and molecular polymerization and induces potent and exclusive Th1 cell differentiation
AU Korematsu, S.; Tanaka, Y.; Hosoi, S.; Koyanagi, S.; Yokota, T.; Mikami, B.; Minato, N.
CS Department of Immunology and Cell Biology, Faculty of Medicine, Kyoto University, Sakyo, Kyoto 606-8501, Japan.

SO Journal of Immunology, (2000) Vol. 165, No. 5, pp. 2895-2902. 35 ref.
Publisher: American Association of Immunologists. Bethesda
ISSN: 0022-1767
CY United States
DT Journal
LA English
ED Entered STN: 20010201
Last Updated on STN: 20010201

=> d l26 21-30 ti

- L26 ANSWER 21 OF 36 CABA COPYRIGHT 2004 CABI on STN DUPLICATE 10
TI Rapid production of the major birch pollen allergen Bet v 1 in Nicotiana benthamiana plants and its immunological in vitro and in vivo characterization.
- L26 ANSWER 22 OF 36 CABA COPYRIGHT 2004 CABI on STN DUPLICATE 11
TI Purification and immunobiochemical characterization of folding variants of the recombinant major wasp allergen Ves v 5 (antigen 5).
- L26 ANSWER 23 OF 36 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
TI Proliferative T cell responses to the **recombinant** house dust mite **allergen** rDer p 2 (D1S), the **variant** C21/73S, and natural nDer p 2.
- L26 ANSWER 24 OF 36 BIOTECHNO COPYRIGHT 2004 Elsevier Science B.V. on STN
TI Reduced in vivo allergenicity of Bet v 1d isoform, a natural component of birch pollen
- L26 ANSWER 25 OF 36 CABA COPYRIGHT 2004 CABI on STN DUPLICATE 12
TI High-molecular-weight allergens of the house dust mite: an apolipoprotein-like cDNA has sequence identity with the major M-177 allergen and the IgE-binding peptide fragments Mag 1 and Mag 3.
- L26 ANSWER 26 OF 36 BIOTECHNO COPYRIGHT 2004 Elsevier Science B.V. on STN
TI Immunization with purified natural and recombinant allergens induces mouse IgG1 antibodies that recognize similar epitopes as human IgE and inhibit the human IgE-allergen interaction and allergen-induced basophil degranulation
- L26 ANSWER 27 OF 36 BIOTECHNO COPYRIGHT 2004 Elsevier Science B.V. on STN
TI Molecular and crystal properties of Bos d 2, an allergenic protein of the Lipocalin family
- L26 ANSWER 28 OF 36 CABA COPYRIGHT 2004 CABI on STN DUPLICATE 13
TI Recombinant allergens for immunotherapy: a Der p 2 variant with reduced IgE reactivity retains T-cell epitopes.
- L26 ANSWER 29 OF 36 CAPLUS COPYRIGHT 2004 ACS on STN
TI Production of recombinant Der f1 with the native IgE-binding activity using a baculovirus expression system
- L26 ANSWER 30 OF 36 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2004) on STN DUPLICATE 14
TI Immunochemical studies of stinging insect venom allergens.

=> d l26 21-24, 28, 29, 30 bib

L26 ANSWER 21 OF 36 CABA COPYRIGHT 2004 CABI on STN DUPLICATE 10
AN 2000:138502 CABA
DN 20001615768

TI Rapid production of the major birch pollen allergen Bet v 1 in Nicotiana
 benthamiana plants and its immunological in vitro and in vivo
 characterization
 AU Krebitz, M.; Wiedermann, U.; Essl, D.; Steinkellner, H.; Wagner, B.;
 Turpen, T. H.; Ebner, C.; Scheiner, O.; Breiteneder, H.
 CS Department of Pathophysiology, University of Vienna, Vienna 1090, Austria.
 SO FASEB Journal, (2000) Vol. 14, No. 10, pp. 1279-1288. 41 ref.
 ISSN: 0892-6638
 DT Journal
 LA English
 ED Entered STN: 20001107
 Last Updated on STN: 20001107

L26 ANSWER 22 OF 36 CABA COPYRIGHT 2004 CABI on STN DUPLICATE 11
 AN 2000:103006 CABA
 DN 20000507235
 TI Purification and immunobiochemical characterization of folding variants of
 the recombinant major wasp allergen Ves v 5 (antigen 5)
 AU Suck, R.; Weber, B.; Kahlert, H.; Hagen, S.; Cromwell, O.; Fiebig, H.
 CS Allergopharma Joachim Ganzer KG, Hermann-Korner-Strasse 52, D-21465
 Reinbek, Germany.
 SO International Archives of Allergy and Immunology, (2000) Vol. 121, No. 4,
 pp. 284-291. 27 ref.
 ISSN: 1018-2438
 DT Journal
 LA English
 ED Entered STN: 20000913
 Last Updated on STN: 20000913

L26 ANSWER 23 OF 36 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AN 2000:140214 BIOSIS
 DN PREV200000140214
 TI Proliferative T cell responses to the **recombinant** house dust
 mite **allergen** rDer p 2 (D1S), the **variant** C21/73S, and
 natural nDer p 2.
 AU Gore, R. B. [Reprint author]; Smith, A.; Smillie, F.; Custovic, A.;
 Chapman, M. D.; Woodcock, A.
 CS North West Lung Centre, Wythenshawe Hospital, Manchester, UK
 SO Journal of Allergy and Clinical Immunology, (Jan., 2000) Vol. 105, No. 1
 part 2, pp. S78. print.
 Meeting Info.: 56th Annual Meeting of the American Academy of Allergy,
 Asthma and Immunology. San Diego, California, USA. March 03-08, 2000.
 American Academy of Allergy, Asthma and Immunology.
 CODEN: JACIBY. ISSN: 0091-6749.
 DT Conference; (Meeting)
 Conference; Abstract; (Meeting Abstract)
 LA English
 ED Entered STN: 19 Apr 2000
 Last Updated on STN: 4 Jan 2002

L26 ANSWER 24 OF 36 BIOTECHNO COPYRIGHT 2004 Elsevier Science B.V. on STN
 AN 1999:30004986 BIOTECHNO
 TI Reduced in vivo allergenicity of Bet v 1d isoform, a natural component of
 birch pollen
 AU Arquint O.; Helbling A.; Cramer R.; Ferreira F.; Breitenbach M.; Pichler
 W.J.
 CS Dr. W.J. Pichler, Inst. of Immunology and Allergology, University
 Hospital, 3010 Bern, Switzerland.
 SO Journal of Allergy and Clinical Immunology, (1999), 104/6 (1239-1243), 17
 reference(s)
 CODEN: JACIBY ISSN: 0091-6749
 DT Journal; Article
 CY United States
 LA English
 SL English

L26 ANSWER 28 OF 36 CABA COPYRIGHT 2004 CABI on STN DUPLICATE 13
 AN 1998:147430 CABA
 DN 19980504995
 TI Recombinant allergens for immunotherapy: a Der p 2 variant with reduced IgE reactivity retains T-cell epitopes
 AU Smith, A. M.; Chapman, M. D.; Taketomi, E. A.; Platts-Mills, T. A. E.; Sung, S. S. J.
 CS Asthma and Allergic Diseases Center, Department of Medicine, University of Virginia, Charlottesville, VA, USA.
 SO Journal of Allergy and Clinical Immunology, (1998) Vol. 101, No. 3, pp. 423-425. 5 ref.
 ISSN: 0091-6749
 DT Journal
 LA English
 ED Entered STN: 19981014
 Last Updated on STN: 19981014

L26 ANSWER 29 OF 36 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1997:707981 CAPLUS
 DN 128:2855
 TI Production of recombinant Der fI with the native IgE-binding activity using a baculovirus expression system
 AU Shoji, Hiroshi; Shibuya, Ichiro; Hirai, Mitsuo; Horiuchi, Hiroyuki; Takagi, Masamichi
 CS Institute for Production Research and Development, The Nikka Whisky Distilling Co., Ltd., Kashiwa, 277, Japan
 SO Bioscience, Biotechnology, and Biochemistry (1997), 61(10), 1668-1673
 CODEN: BBBIEJ; ISSN: 0916-8451
 PB Japan Society for Bioscience, Biotechnology, and Agrochemistry
 DT Journal
 LA English

RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L26 ANSWER 30 OF 36 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2004) on STN DUPLICATE 14
 AN 1998:18751 AGRICOLA
 DN IND20620135
 TI Immunochemical studies of stinging insect venom allergens.
 AU King, T.P.
 CS Rockefeller University, New York, NY.
 SO Toxicon, Nov/Dec 1996. Vol. 34, No. 11/12. p. 1455-1458
 Publisher: Oxford : Elsevier Science Ltd.
 CODEN: TOXIA6; ISSN: 0041-0101

NTE Paper presented at Fifth Pan American Symposium on Animal, Plant, and Microbial Toxins held July 30 - August 4, 1995, Frederick, Maryland. Includes references
 CY England; United Kingdom
 DT Article
 FS Non-U.S. Imprint other than FAO
 LA English

=> d 126 31-36 ti

L26 ANSWER 31 OF 36 BIOTECHNO COPYRIGHT 2004 Elsevier Science B.V. on STN
 TI Mucosal and systemic immune responses to a recombinant protein expressed on the surface of the oral commensal bacterium Streptococcus gordonii after oral colonization

L26 ANSWER 32 OF 36 CABA COPYRIGHT 2004 CABI on STN DUPLICATE 15
 TI Natural and recombinant enzymatically active or inactive bee venom

phospholipase A2 has the same potency to release histamine from basophils in patients with Hymenoptera allergy.

- L26 ANSWER 33 OF 36 CABA COPYRIGHT 2004 CABI on STN DUPLICATE 16
TI Murine T and B cell responses to natural and recombinant hornet venom allergen Dol m 5.02 and its recombinant fragments.
- L26 ANSWER 34 OF 36 CAPLUS COPYRIGHT 2004 ACS on STN
TI B-cell epitopes of allergens determined by recombinant techniques; use for diagnosis and therapy of type I allergy
- L26 ANSWER 35 OF 36 CABA COPYRIGHT 2004 CABI on STN DUPLICATE 17
TI Effects of amino acid variations in recombinant Der fII on its human IgE and mouse IgG recognition.
- L26 ANSWER 36 OF 36 CAPLUS COPYRIGHT 2004 ACS on STN
TI Cloning, expression, and immunological characterization of recombinant Lolium perenne allergen Lol p II

=> d 126 33,34,35,36 bib

- L26 ANSWER 33 OF 36 CABA COPYRIGHT 2004 CABI on STN DUPLICATE 16
AN 96:70135 CABA
DN 19960502365
TI Murine T and B cell responses to natural and recombinant hornet venom allergen Dol m 5.02 and its recombinant fragments
AU King, T. P.; Kochoomian, L.; Lu Gang; Lu, G.
CS Rockefeller University, 1230 York Avenue, New York, NY 10021, UK.
SO Journal of Immunology (Baltimore), (1995) Vol. 154, No. 2, pp. 577-584. 40 ref.
ISSN: 0022-1767
DT Journal
LA English
ED Entered STN: 19960613
Last Updated on STN: 19960613
- L26 ANSWER 34 OF 36 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1995:557916 CAPLUS
DN 123:7340
TI B-cell epitopes of allergens determined by recombinant techniques; use for diagnosis and therapy of type I allergy
AU Valenta, R.; Vrtala, S.; Laffer, S.; Steinberger, P.; Ball, T.; Ferreira, F.; Scheiner, O.; Kraft, D.
CS Univ. Wien, Vienna, Austria
SO Arbeiten aus dem Paul-Ehrlich-Institut (Bundesamt fuer Sera und Impfstoffe) Langen (1994), 87, 235-46
CODEN: APGFKE; ISSN: 0936-8671
DT Journal; General Review
LA English
- L26 ANSWER 35 OF 36 CABA COPYRIGHT 2004 CABI on STN DUPLICATE 17
AN 95:208661 CABA
DN 19950507665
TI Effects of amino acid variations in recombinant Der fII on its human IgE and mouse IgG recognition
AU Nishiyama, C.; Yuuki, T.; Usui, Y.; Iwamoto, N.; Okumura, Y.; Okudaira, H.
CS Central Research Laboratories, Asahi Breweries Ltd., 2-13-1, Ohmori-kita, Ohta-ku Tokyo 143, Japan.
SO International Archives of Allergy and Immunology, (1994) Vol. 105, No. 1, pp. 62-69. 19 ref.
ISSN: 1018-2438
DT Journal
LA English
ED Entered STN: 19951219

Last Updated on STN: 19951219

L26 ANSWER 36 OF 36 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1994:29262 CAPLUS
DN 120:29262
TI Cloning, expression, and immunological characterization of recombinant
Lolium perenne allergen Lol p II
AU Sidoli, Alessandro; Tamborini, Elena; Giuntini, Ilaria; Levi, Sonia;
Volonte, Giovanna; Paini, Cinzia; De Lalla, Claudia; Siccardi, Antonio G.;
Baralle, Francisco E.; et al.
CS Dip. Ric. Biol. Tecnol., Ist. Sci. H San Raffaele, Milan, 20132, Italy
SO Journal of Biological Chemistry (1993), 268(29), 21819-25
CODEN: JBCHA3; ISSN: 0021-9258
DT Journal
LA English

=> d his

(FILE 'HOME' ENTERED AT 10:08:37 ON 23 JUL 2004)

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO' ENTERED AT
10:08:43 ON 23 JUL 2004

L1 56 S (KJAERULFF, S? OR KJAERULFF S?)/AU
L2 81 S (ROGGEN, E? OR ROGGEN E?)/AU
L3 1 S L1 AND L2
L4 136 S L1 OR L2
L5 135 S L4 NOT L3
L6 13 S L5 AND (EPITOPE OR ALLERGEN)
L7 10 DUPLICATE REMOVE L6 (3 DUPLICATES REMOVED)
L8 52079 S (PLANT(S)TRANSFORM?) OR (PLANT(S)TRANSGENIC) OR (PLANT(S)RECO
L9 273 S L8 AND ALLERGEN
L10 24 S PLANT(S)TRANSGENIC(S)ALLERGEN
L11 24 S L10 NOT L4
L12 19 DUPLICATE REMOVE L11 (5 DUPLICATES REMOVED)

FILE 'USPATFULL' ENTERED AT 10:17:12 ON 23 JUL 2004

L13 7 S (KJAERULFF, S? OR KJAERULFF S?)/AU
L14 13 S (ROGGEN, E? OR ROGGEN E?)/AU
L15 1 S L13 AND L14
L16 19 S L13 OR L14
L17 18 S L16 NOT L15
L18 13 S PLANT(S)TRANSGENIC(S)ALLERGEN
L19 13 S L18 NOT L17
L20 7 S ALLERGEN(S)RECOMBINANT(S)IMMUNOGENICITY
L21 27 S RECOMBINANT(S)ALLERGEN(S)VARIANT
L22 27 S L21 NOT L20

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO' ENTERED AT
10:29:42 ON 23 JUL 2004

L23 31 S ALLERGEN(S)RECOMBINANT(S)IMMUNOGENICITY
L24 32 S RECOMBINANT(S)ALLERGEN(S)VARIANT
L25 63 S L23 OR L24
L26 36 DUPLICATE REMOVE L25 (27 DUPLICATES REMOVED)

=> random(w)peptide(w)display and variant
RANDOM(W)PEPTIDE(W)DISPLAY IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> s random(w)peptide(w)display and variant
L27 2 RANDOM(W) PEPTIDE(W) DISPLAY AND VARIANT

=> d l27 1-2 ti

L27 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN
 TI Engineering of enzymes for reduced allergenicity

L27 ANSWER 2 OF 2 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 TI Low allergenic protein variants.

=> d l27 1-2 bib

L27 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 2000:314711 CAPLUS
 DN 132:333397
 TI Engineering of enzymes for reduced allergenicity
 IN Roggen, Erwin Ludo; Olsen, Arne Agerlin; Ernst, Steffen
 PA Novo Nordisk A/S, Den.
 SO PCT Int. Appl., 91 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000026230	A1	20000511	WO 1999-DK541	19991012
	W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	AU 9960787	A1	20000522	AU 1999-60787	19991012
	EP 1124843	A1	20010822	EP 1999-947260	19991012
	EP 1124843	B1	20040407		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	JP 2003500003	T2	20030107	JP 2000-579618	19991012
	EP 1277762	A2	20030122	EP 2002-20745	19991012
	EP 1277762	A3	20030409		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY				
	NZ 511291	A	20030829	NZ 1999-511291	19991012
	AT 263778	E	20040415	AT 1999-947260	19991012
	US 6686164	B1	20040203	US 1999-417608	19991013
PRAI	DK 1998-1402	A	19981030		
	DK 1998-1645	A	19981125		
	DK 1999-1417	A	19991004		
	US 1998-107165P	P	19981105		
	US 1998-111386P	P	19981208		
	US 1999-157429P	P	19991004		
	EP 1999-947260	A3	19991012		
	WO 1999-DK541	W	19991012		

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L27 ANSWER 2 OF 2 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AN 2004:141149 BIOSIS
 DN PREV200400141815
 TI Low allergenic protein variants.
 AU Olsen, Arne Agerlin [Inventor, Reprint Author]; Roggen, Erwin Lugo [Inventor]; Ernst, Steffen [Inventor]
 CS Kaplevej, Denmark
 ASSIGNEE: Novozymes A/S, Bagsvaerd, Denmark

PI US 6686164 February 03, 2004
SO Official Gazette of the United States Patent and Trademark Office Patents,
(Feb 3 2004) Vol. 1279, No. 1. <http://www.uspto.gov/web/menu/patdata.html>.
e-file.
ISSN: 0098-1133 (ISSN print).
DT Patent
LA English
ED Entered STN: 10 Mar 2004
Last Updated on STN: 10 Mar 2004

=> d his

(FILE 'HOME' ENTERED AT 10:08:37 ON 23 JUL 2004)

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO' ENTERED AT
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L2 81 S (ROGGEN, E? OR ROGGEN E?)/AU
L3 1 S L1 AND L2
L4 136 S L1 OR L2
L5 135 S L4 NOT L3
L6 13 S L5 AND (EPITOPE OR ALLERGEN)
L7 10 DUPLICATE REMOVE L6 (3 DUPLICATES REMOVED)
L8 52079 S (PLANT(S) TRANSFORM?) OR (PLANT(S) TRANSGENIC) OR (PLANT(S) RECO
L9 273 S L8 AND ALLERGEN
L10 24 S PLANT(S) TRANSGENIC(S) ALLERGEN
L11 24 S L10 NOT L4
L12 19 DUPLICATE REMOVE L11 (5 DUPLICATES REMOVED)

FILE 'USPATFULL' ENTERED AT 10:17:12 ON 23 JUL 2004

L13 7 S (KJAERULFF, S? OR KJAERULFF S?)/AU
L14 13 S (ROGGEN, E? OR ROGGEN E?)/AU
L15 1 S L13 AND L14
L16 19 S L13 OR L14
L17 18 S L16 NOT L15
L18 13 S PLANT(S) TRANSGENIC(S) ALLERGEN
L19 13 S L18 NOT L17
L20 7 S ALLERGEN(S) RECOMBINANT(S) IMMUNOGENICITY
L21 27 S RECOMBINANT(S) ALLERGEN(S) VARIANT
L22 27 S L21 NOT L20

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO' ENTERED AT
10:29:42 ON 23 JUL 2004

L23 31 S ALLERGEN(S) RECOMBINANT(S) IMMUNOGENICITY
L24 32 S RECOMBINANT(S) ALLERGEN(S) VARIANT
L25 63 S L23 OR L24
L26 36 DUPLICATE REMOVE L25 (27 DUPLICATES REMOVED)
L27 2 S RANDOM(W) PEPTIDE(W) DISPLAY AND VARIANT

=> file uspatfull

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	57.33	190.25

FILE 'USPATFULL' ENTERED AT 10:37:14 ON 23 JUL 2004
CA INDEXING COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)

FILE COVERS 1971 TO PATENT PUBLICATION DATE: 22 Jul 2004 (20040722/PD)
FILE LAST UPDATED: 22 Jul 2004 (20040722/ED)
HIGHEST GRANTED PATENT NUMBER: US6766528
HIGHEST APPLICATION PUBLICATION NUMBER: US2004143878
CA INDEXING IS CURRENT THROUGH 22 Jul 2004 (20040722/UPCA)
ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 22 Jul 2004 (20040722/PD)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Jun 2004

USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Jun 2004

>>> USPAT2 is now available. USPATFULL contains full text of the <<<
>>> original, i.e., the earliest published granted patents or <<<
>>> applications. USPAT2 contains full text of the latest US <<<
>>> publications, starting in 2001, for the inventions covered in <<<
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>>> classifications, or claims, that may potentially change from <<<
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Executing the logoff script...

=> LOG Y

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COST IN U.S. DOLLARS	SINCE FILE	TOTAL
FULL ESTIMATED COST	ENTRY	SESSION
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